



**WORKFLOW PHASES**  
RELEASE 11.00.00  
FUNCTIONAL REQUIREMENT SPECIFICATION

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- 
- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
-

# Contents

1	Introduction .....	1
2	Shop Floor-defined Order Workflow .....	3
2.1	Workflow Phases .....	4
2.2	Use Cases .....	4
2.2.1	Supervisor-specific Use Cases .....	4
2.2.2	Operator-specific Use Cases .....	6
2.3	Cost Center-related Dispensing .....	8
3	Define Order Phase (SR0600+).....	11
3.1	Layout.....	11
3.1.1	Representation during Execution (SR0600.1+) .....	11
3.1.2	Representation in Navigator (SR0600.4+). ....	13
3.1.3	Representation in Sub-report (SR0600.5+) .....	14
3.2	Business Logic (SR0600.2+).....	15
3.2.1	GID-2670060 Initialize phase (SR0600.2.1) .....	15
3.2.2	GID-2670061 Specify order (SR0600.2.2).....	16
3.2.3	GID-2670062 Confirm phase (SR0600.2.3) .....	16
3.3	Process Parameters (SR0600.8+) .....	18
3.3.1	Instruction Table-specific Parameters .....	18
3.3.2	Instruction Link-specific Parameters .....	19
3.3.3	Basic Parameters .....	19
3.3.4	Order Parameters .....	20
3.4	Exceptions (SR0600.3+).....	21
3.4.1	System-triggered Exceptions .....	21
3.4.2	User-triggered Exceptions .....	21

- 
- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 

3.4.3	Post-completion Exceptions .....	21
3.5	Information Messages .....	21
3.6	Questions .....	21
3.7	Decisions.....	22
3.8	Error Messages (SR0600.3.6+) .....	22
3.8.1	Initialization-specific Error Messages.....	22
3.8.2	Order Creation Failed-specific Error Messages.....	22
3.8.3	Order Explosion Failed-specific Error Messages.....	27
3.9	Output Variables (SR0600.9+) .....	28
3.9.1	Instance count (Framework capability) .....	28
3.9.2	Start time (Framework capability) .....	28
3.9.3	Completion time (Framework capability) .....	28
3.9.4	Identifier (Framework capability) .....	29
3.9.5	GID-2670077 Cost center ID (SR0600.9.2) .....	29
3.9.6	GID-2670078 Order ID (SR0600.9.1) .....	29
3.9.7	GID-2670079 Batch ID (SR0600.9.3).....	29
3.9.8	GID-2670080 Product ID (SR0600.9.4) .....	30
<b>4</b>	<b>Edit BOM Phase (SR0605+)</b> .....	<b>31</b>
4.1	Layout.....	31
4.1.1	Representation during Execution (SR0605.1+) .....	32
4.1.2	Representation in Navigator (SR0605.4+).....	35
4.1.3	Representation in Sub-report (SR0605.5+) .....	35
4.2	Business Logic (SR0605.2+).....	36
4.2.1	GID-2670084 Initialize phase (SR0605.2.1) .....	36
4.2.2	GID-2670085 Add BOM item (SR0605.2.2).....	37
4.2.3	GID-2670086 Edit BOM item (SR0605.2.3) .....	40
4.2.4	GID-2670087 Delete BOM item (SR0605.2.4) .....	42
4.2.5	GID-2670088 Confirm phase (SR0605.2.5) .....	42
4.3	Process Parameters (SR0605.8+) .....	43
4.3.1	Instruction Table-specific Parameters .....	43

4.3.2	Instruction Link-specific Parameters .....	44
4.3.3	Basic Parameters .....	45
4.4	Exceptions (SR0605.3+).....	45
4.4.1	System-triggered Exceptions .....	46
4.4.2	User-triggered Exceptions .....	46
4.4.3	Post-completion Exceptions .....	46
4.5	Information Messages (SR0605.3.4+) .....	46
4.5.1	GID-2670095 Adding material with weighing material type different from auxiliary (SR0605.3.4.1) .....	46
4.6	Questions (SR0605.3.5+). ....	47
4.6.1	GID-2670096 Delete BOM item (SR0605.3.5.1) .....	47
4.7	Decisions.....	47
4.8	Error Messages (SR0605.3.6+) .....	47
4.8.1	GID-2670097 Unknown order (SR0605.3.6.1) .....	47
4.8.2	GID-2670098 Invalid order status (SR0605.3.6.2) .....	48
4.8.3	GID-2670099 At least one BOM item required (SR0605.3.6.3) .....	48
4.8.4	GID-2670100 Material invalid (SR0605.3.6.4) .....	49
4.8.5	GID-2670101 Lower tolerance (rel.) invalid (SR0605.3.6.5).....	49
4.8.6	GID-2670102 Upper tolerance (rel.) invalid (SR0605.3.6.6).....	50
4.8.7	GID-2670103 Lower tolerance (abs.) invalid (SR0605.3.6.14) .....	50
4.8.8	GID-2670104 Upper tolerance (abs.) invalid (SR0605.3.6.15) .....	51
4.8.9	GID-2670105 Lower tolerance undefined (SR0605.3.6.16) .....	51
4.8.10	GID-2670106 Upper tolerance undefined (SR0605.3.6.17).....	52
4.8.11	GID-2670107 No tolerances defined (SR0605.3.6.18).....	52
4.8.12	GID-2670108 Planned quantity invalid (SR0605.3.6.7) .....	53
4.8.13	GID-2670109 BOM position invalid (SR0605.3.6.8) .....	53
4.8.14	GID-2670110 Duplicate position not allowed (SR0605.3.6.11) .....	54
4.8.15	GID-2670111 Comment exceeds maximum length (SR0605.3.6.12) .....	55
4.8.16	GID-2670112 Modified BOM (SR0605.3.6.19).....	55
4.8.17	GID-2670113 Error message grouping (SR0605.3.6.13) .....	55
4.9	Output Variables (SR0605.9+) .....	57

- 
- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
- 

4.9.1	Instance count (Framework capability) .....	57
4.9.2	Start time (Framework capability) .....	57
4.9.3	Completion time (Framework capability) .....	57
4.9.4	Identifier (Framework capability) .....	57
<b>5</b>	<b>Dispatch Order Phase (SR0610+)</b> .....	<b>59</b>
5.1	Layout.....	59
5.1.1	Representation during Execution (SR0610.1+) .....	59
5.1.2	Representation in Navigator (SR0610.4+).....	62
5.1.3	Representation in Sub-report (SR0610.5+) .....	62
5.2	Business Logic (SR0610.2+). ....	63
5.2.1	GID-2670121 Initialize phase (SR0610.2.1) .....	63
5.2.2	GID-2670122 Toggle work center selection (SR0610.2.5).....	64
5.2.3	GID-2670123 Select all work centers (SR0610.2.2) .....	64
5.2.4	GID-2670124 Unselect all work centers (SR0610.2.3) .....	65
5.2.5	GID-2670125 Confirm phase (SR0610.2.4) .....	65
5.3	Process Parameters (SR0610.8+) .....	66
5.3.1	Instruction Table-specific Parameters .....	66
5.3.2	Instruction Link-specific Parameters .....	67
5.3.3	Basic Parameters.....	68
5.4	Exceptions (SR0610.3+). ....	68
5.4.1	System-triggered Exceptions .....	69
5.4.2	User-triggered Exceptions .....	69
5.4.3	Post-completion Exceptions .....	69
5.5	Information Messages .....	69
5.6	Questions .....	69
5.7	Decisions.....	69
5.8	Error Messages (SR0610.3.6+) .....	69
5.8.1	GID-2670132 Unknown order (SR0610.3.6.1) .....	69
5.8.2	GID-2670133 Invalid order status (SR0610.3.6.2).....	70
5.8.3	GID-2670134 No work center selected (SR0610.3.6.3).....	70

5.9	Output Variables (SR0610.9+) .....	71
5.9.1	Instance count (Framework capability) .....	71
5.9.2	Start time (Framework capability) .....	71
5.9.3	Completion time (Framework capability) .....	71
5.9.4	Identifier (Framework capability) .....	71
6	Release Order Phase (SR0615+) .....	73
6.1	Layout.....	73
6.1.1	Representation during Execution (SR0615.1+) .....	73
6.1.2	Representation in Navigator (SR0615.4+).....	74
6.1.3	Representation in Sub-report (SR0615.5+) .....	75
6.2	Business Logic (SR0615.2+). ....	76
6.2.1	GID-2670142 Initialize phase (SR0615.2.1) .....	76
6.2.2	GID-2670143 Confirm phase (SR0615.2.2) .....	76
6.3	Process Parameters (SR0615.8+) .....	77
6.3.1	Instruction Table-specific Parameters .....	77
6.3.2	Instruction Link-specific Parameters .....	78
6.3.3	Basic Parameters .....	79
6.4	Exceptions (SR0615.3+).....	79
6.4.1	System-triggered Exceptions .....	80
6.4.2	User-triggered Exceptions .....	80
6.4.3	Post-completion Exceptions .....	80
6.5	Information Messages .....	80
6.6	Questions .....	80
6.7	Decisions.....	80
6.8	Error Messages (SR0615.3.6+) .....	80
6.8.1	GID-2670150 Unknown order (SR0615.3.6.1).....	80
6.8.2	GID-2670151 Invalid order status (SR0615.3.6.2).....	81
6.8.3	GID-2670152 Order release failed (SR0615.3.6.3).....	81
6.9	Output Variables (SR0615.9+) .....	82
6.9.1	Instance count (Framework capability) .....	82
6.9.2	Start time (Framework capability) .....	82

•		
•	FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases	
•		
•		
6.9.3	Completion time (Framework capability) .....	82
6.9.4	Identifier (Framework capability) .....	82
<b>7</b>	<b>Reference Documents .....</b>	<b>83</b>
<b>8</b>	<b>Document Information.....</b>	<b>85</b>
8.1	Approval .....	85
8.2	Version Information .....	85
<b>Appendix A - Revision History.....</b>		<b>87</b>
Updated Requirements .....		87
FTPS_Phases-FLD-1490 Define Order Phase (SR0600+) .....		87
FTPS_Phases-TXT-1204 Instruction table definition (Framework capability).....		89
FTPS_Phases-TXT-1205 Instruction table text (Framework capability) .....		90
FTPS_Phases-TXT-1207 Instruction link definition (Framework capability) .....		91
FTPS_Phases-FR-2246 Product does not exist (SR0600.3.6.12).....		93
FTPS_Phases-FR-2248 Batch identifier already used (SR0600.3.6.4) .....		95
FTPS_Phases-FR-2249 Batch material does not match product (SR0600.3.6.5).....		97
FTPS_Phases-FR-2251 Error during order explosion (SR0600.3.6.8) .....		99
FTPS_Phases-FR-2252 Error message grouping (SR0600.3.6.9) .....		101
FTPS_Phases-FLD-1507 Edit BOM Phase (SR0605+) .....		104
FTPS_Phases-TXT-1221 Instruction table definition (Framework capability).....		106
FTPS_Phases-TXT-1222 Instruction table text (Framework capability) .....		108
FTPS_Phases-TXT-1224 Instruction link definition (Framework capability) .....		109
FTPS_Phases-FR-2278 Lower tolerance (rel.) invalid (SR0605.3.6.5).....		110
FTPS_Phases-FR-2279 Upper tolerance (rel.) invalid (SR0605.3.6.6).....		112
FTPS_Phases-FR-2281 Upper tolerance (abs.) invalid (SR0605.3.6.15).....		115
FTPS_Phases-FR-2282 Lower tolerance undefined (SR0605.3.6.16) .....		117
FTPS_Phases-FR-2283 Upper tolerance undefined (SR0605.3.6.17) .....		119
FTPS_Phases-FR-2284 No tolerances defined (SR0605.3.6.18) .....		121
FTPS_Phases-FR-2286 BOM position invalid (SR0605.3.6.8).....		123
FTPS_Phases-FR-2287 Duplicate position not allowed (SR0605.3.6.11) .....		125
FTPS_Phases-FR-2288 Comment exceeds maximum length (SR0605.3.6.12) .....		128

Index .....	149
FTPS_Phases-FR-2290 Error message grouping (SR0605.3.6.13).....	130
FTPS_Phases-FLD-1521 Dispatch Order Phase (SR0610+).....	134
FTPS_Phases-FR-2297 Initialize phase (SR0610.2.1) .....	136
FTPS_Phases-TXT-1235 Instruction table definition (Framework capability).....	139
FTPS_Phases-TXT-1236 Instruction table text (Framework capability) .....	140
FTPS_Phases-TXT-1238 Instruction link definition (Framework capability) .....	141
FTPS_Phases-FLD-1534 Release Order Phase (SR0615+).....	143
FTPS_Phases-TXT-1252 Instruction table definition (Framework capability).....	144
FTPS_Phases-TXT-1253 Instruction table text (Framework capability) .....	146
FTPS_Phases-TXT-1255 Instruction link definition (Framework capability) .....	147
Added Requirements .....	148
Deleted Requirements .....	148

- 
- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
-

# 1 Introduction

This document details the requirements of the functions implemented by the phases specific to shop floor-defined order workflows. The phases are executed as a workflow in the Production Execution Client of PharmaSuite.

Each requirement is composed of a name (e.g., Preview mode) and a unique identifier (e.g., GID-1234567) and is extended with its business attributes (GxP Relevance, Business Impact) and its compliance attribute (21 CFR Part 11 Relevance).

For requirements with **Framework capability** as identifier, see "Functional Requirement Specification Execution Framework" for their unique identifier, [A1].

The revision history lists the changes made to the document with the previous FactoryTalk PharmaSuite release as the comparison baseline. It provides individual tables for "Updated", "Added", and "Deleted" requirements that juxtapose the previous approved version with the new approved version of an item.

## Typographical Conventions

This documentation uses typographical conventions to enhance the readability of the information it presents. The following kinds of formatting indicate specific information:

<b>Bold typeface</b>	Designates user interface texts, such as <ul style="list-style-type: none"><li>▪ window and dialog titles</li><li>▪ menu functions</li><li>▪ panel, tab, and button names</li><li>▪ box labels</li><li>▪ object properties and their values (e.g., status).</li></ul>
Monospaced typeface	Designates code examples.

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- 
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## 2 Shop Floor-defined Order Workflow

The shop floor-defined order workflow is designed to support shop floor-defined dispensing use cases, e.g. cost center-related dispensing, experimental batch dispensing.

PharmaSuite provides the **Cost center-related dispensing** use case ([GID-2668620](#)). Other use cases can be added by extending PharmaSuite. For details, please refer to section "Extension Use Case: Adding a Recipe-related Usage Type for Shop floor-defined Dispensing", chapter "Configuration and Extension" in "Technical Manual Phases of the Dispense Package" [A2] ([GID-2668123](#))

The typical structure of a shop floor-defined order operation includes the following workflow phases ([GID-2668618](#)) in a workflow graph.

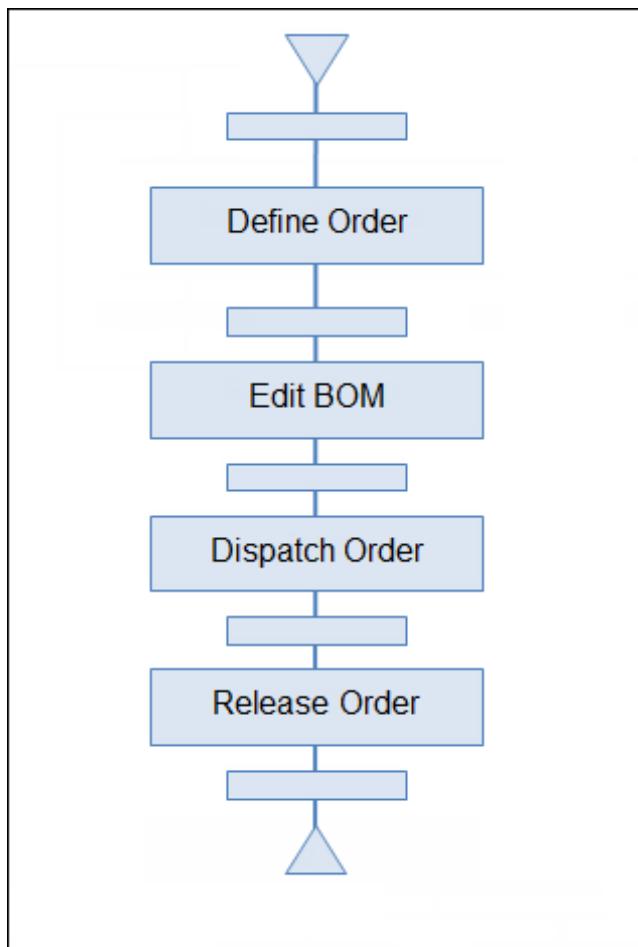


Figure 1 Typical shop floor-defined order workflow

The behavior of the phases is defined by the phase parameter configuration.

Please note that individual phases of the shop floor-defined order workflow can only display their full functional scope if they are used to interact with each other in the sequence as outlined in the graph structure. They are not intended for stand-alone use.

- 
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- 
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## 2.1 Workflow Phases

The following phases are available for shop floor-defined orders:

- Define order ([GID-2668119](#))

The **Define order** phase (D Define Order) allows an operator to create an order based on a pre-defined master recipe.

- Edit BOM ([GID-2668120](#))

The **Edit BOM** phase (D Edit BOM) allows an operator to manage the BOM items of a shop floor-defined order.

- Dispatch order ([GID-2668121](#))

The **Dispatch order** phase (D Dispatch Order) allows an operator to dispatch the order to one or more work centers out of a pre-defined set of work centers in the master recipe. If no work center is assigned, the order can be processed at all work centers.

- Release order ([GID-2668122](#))

The **Release order** phase (D Release Order) allows an operator to change the order's status to **Released** and thereby make it available for processing.

## 2.2 Use Cases

The phases that are available for shop floor-defined orders support different use cases based on their configuration and the setup of the workflow.

Some use cases with alternative workflow designs are outlined in the subsequent sections.

### 2.2.1 Supervisor-specific Use Cases

#### 2.2.1.1 FLEXIBLE ORDER CREATION

This workflow setup provides the full flexibility to define an ad-hoc order on the shop floor.

Use case characteristics:

- Master recipe template: mandatory
- Cost center: optional
- BOM item(s): mandatory
- Work centers: pre-configured, modifiable

Master recipe configuration:

- Material parameters: not defined on recipe level
- Work centers: pre-configured set of work centers is assigned

Phase's process parameters:

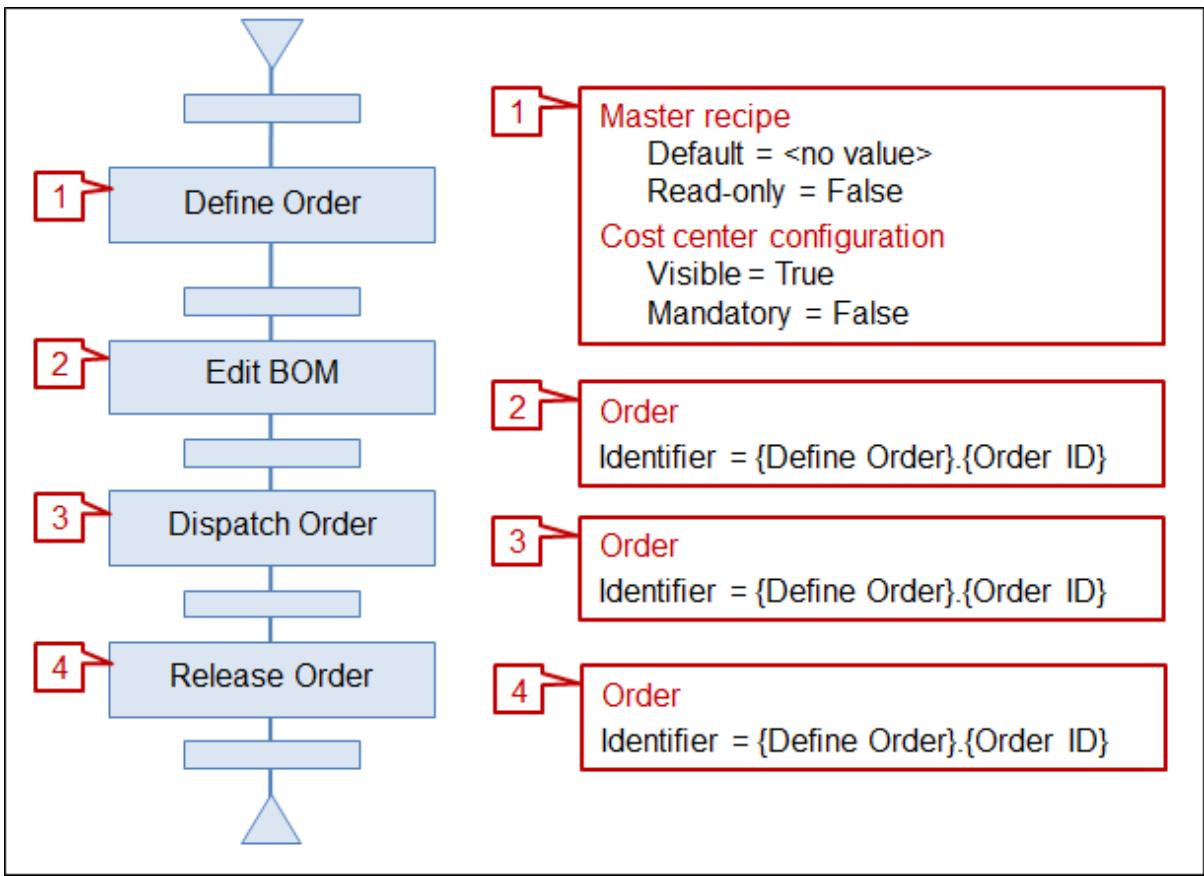


Figure 2 Flexible order creation

#### 2.2.1.2 FLEXIBLE ORDER CREATION WITHOUT COST CENTER DEFINITION OR WORK CENTER DISPATCHING

This workflow setup provides the full flexibility to define an ad-hoc order on the shop floor without an assignment to a cost center.

Use case characteristics:

- Master recipe template: mandatory
- Cost center: no assignment
- BOM item(s): mandatory
- Work centers: pre-configured, not modifiable

Master recipe configuration:

- Material parameters: not defined on recipe level
- Work centers: pre-configured set of work centers is assigned

Phase's process parameters:

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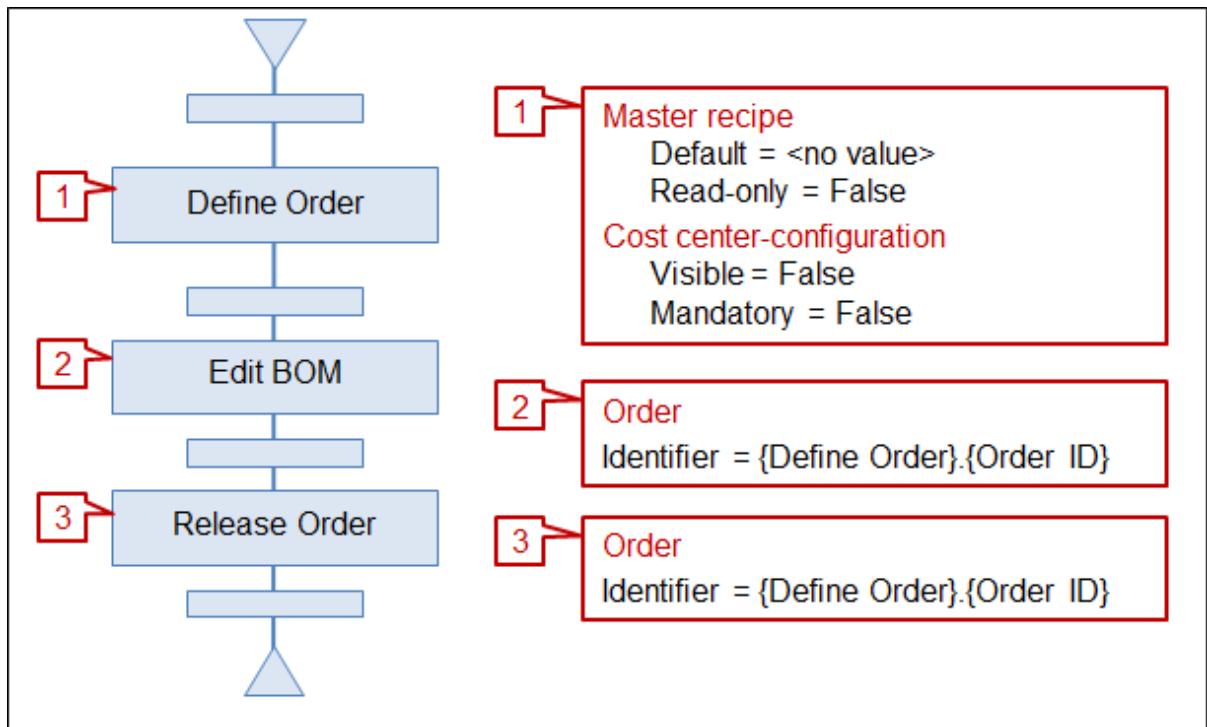


Figure 3 Flexible order creation without cost center – dispatching pre-defined

## 2.2.2 Operator-specific Use Cases

### 2.2.2.1 ORDER CREATION FOR A SPECIFIC MASTER RECIPE WITH PRE-DEFINED BOM

This workflow setup allows to create an ad-hoc order on the shop floor with a pre-defined master recipe that can be adjusted with regard to materials and work centers.

Use case characteristics:

- Master recipe template: pre-configured, not modifiable
- Cost center: optional
- BOM item(s): pre-configured, modifiable
- Work centers: pre-configured, modifiable

Master recipe configuration:

- Material parameters: pre-configured, includes material flow control settings
- Work centers: pre-configured set of work centers is assigned

Phase's process parameters:

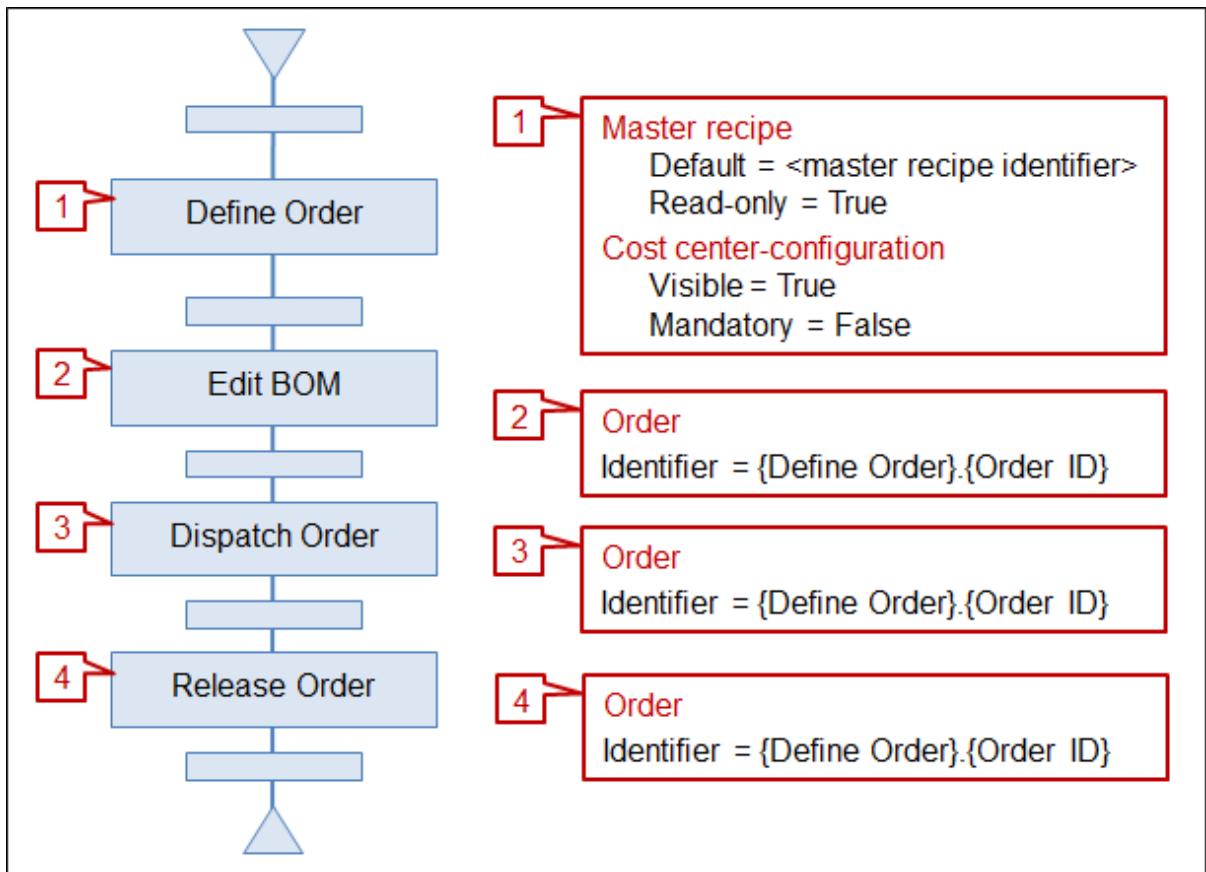


Figure 4 Order creation for a specific master recipe with pre-defined BOM

#### 2.2.2.2 QUICK ORDER CREATION FOR A SPECIFIC MASTER RECIPE WITH PRE-DEFINED BOM, PRE-DEFINED WORK CENTERS, AND MANDATORY COST CENTER ASSIGNMENT

This workflow setup allows to create an ad-hoc order on the shop floor with a pre-defined master recipe that cannot be adjusted with regard to material or work center.

Use case characteristics:

- Master recipe template: pre-configured, not modifiable
- Cost center: mandatory
- BOM item(s): pre-configured, not modifiable
- Work centers: pre-configured, not modifiable

Master recipe configuration:

- Material parameters: pre-configured, includes material flow control settings
- Work centers: pre-configured set of work centers is assigned

Phase's process parameters:

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- 
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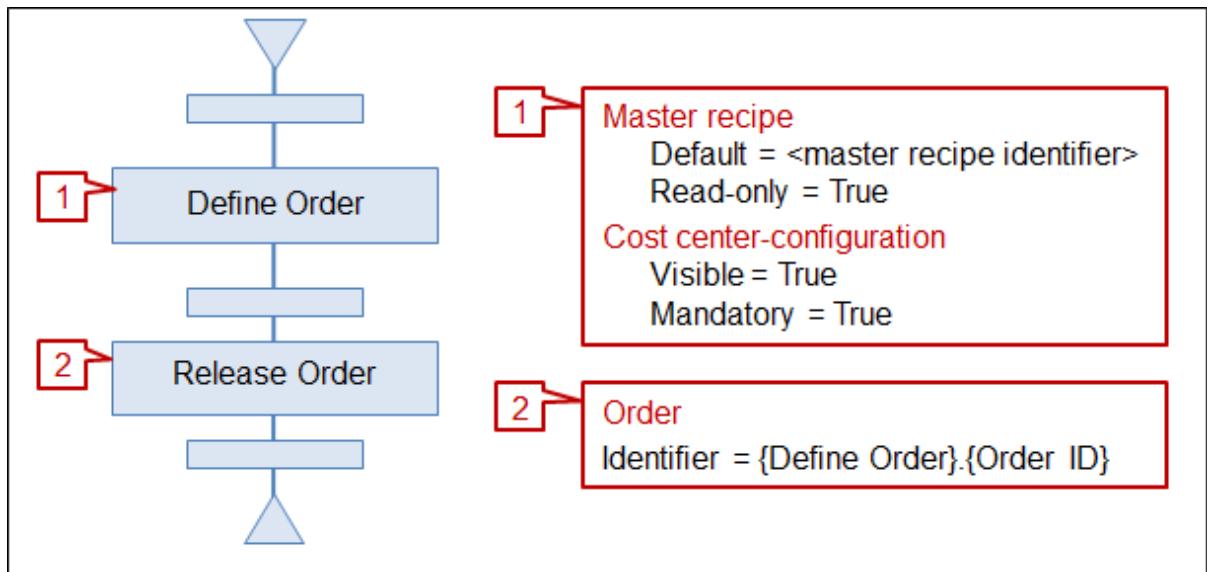


Figure 5 Quick order creation - cost center is mandatory

## 2.3 Cost Center-related Dispensing

The usage of a shop floor-defined order workflow for cost center-related dispensing requires to consider the adaptation of PharmaSuite configuration settings.

The following areas are affected:

- **Cost center**  
The available cost centers are configured in Process Designer using the **List** object. For details, please refer to section "Configuring Cost Center-related Dispensing", chapter "Administration" in "Technical Manual Phases of the Dispense Package" [A2] ([GID-2668123](#)).
- **Master recipe's usage type**  
The creation of shop floor-defined orders is only allowed for master recipes with a usage type other than **Production**. The usage type for shop floor-defined cost center-related orders delivered by PharmaSuite is **Cost center**.  
A unit procedure in a master recipe with the **Cost center** usage type must contain exactly one operation.
- **Product batch**  
The **Define order** phase creates a batch with the default batch prefix if the operator has not defined a batch.  
The default batch prefix depends on the system configuration.  
For details, please refer to chapter "Configuration Keys of PharmaSuite" in Volume 4 of the "Technical Manual Configuration and Extension" [A3] ([GID-2668123](#)).
- **Batch report and dispensing label**  
The processing of shop floor-defined cost center-related dispensing orders relies on the configuration of dedicated batch report and label designs. Application configuration settings are available for:

- Shop Floor-defined Order Workflow
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- Batch report
- Dispensing label
- Pallet or container subplot label
- Number of labels to be printed for the target subplot

For details, please refer to chapter "Configuration Keys of PharmaSuite" in Volume 4 of the "Technical Manual Configuration and Extension" [A3] ([GID-2668123](#)).

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- 
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## 3 Define Order Phase (SR0600+)

The **Define order** phase (D Define Order) allows an operator to create an order based on a pre-defined master recipe.

An example use case is:

- Create an order for cost center-related weighing.

The order-specific data is stored in the batch record, thereby becoming available for documentation purposes in the sub-report and batch report ([GID-2670059](#)).

Anomalies that occur during processing are covered by the phase exception handling ([GID-2668624](#)) (e.g. adding a user-defined exception).

After completion the phase displays the identifiers of the master recipe, order, batch, and product and the selected cost center in the Execution Window.

The Navigator displays the identifier of the order.

Specify the data for post-production weighing.

Master recipe	ID_CCD-010 [2]	▼
Cost center		▼
Batch	CX110	
Product	D130-03	
Order ID	SFD000000006	
Order comment		

Confirm 

Figure 6 Define order during execution

### 3.1 Layout

The phase provides individual layouts for its representation during execution link, in the Navigator ([GID-2670058](#)), and in the sub-report ([GID-2670059](#)).

#### 3.1.1 Representation during Execution (SR0600.1+)

The representation during execution depends on the phase mode.

##### 3.1.1.1 GID-2672070 PREVIEW MODE (SR0600.1.1)

1. <Instruction text>  
(taken from Instruction (SR0600.8.1) process parameter)
2. Master recipe  
(taken from Master recipe (SR0600.8.3) process parameter ([GID-2672084](#)))

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  - 
  -
3. Cost center  
 (visibility depends on Cost center configuration (SR0600.8.2) process parameter ([GID-2672083](#)))
4. Batch
5. Product  
 (taken from Master recipe (SR0600.8.3) process parameter ([GID-2672084](#)) or empty if S88DefaultMaterial01 is the master recipe product)
6. Order ID
7. Order comment
8. Confirm button (disabled).

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Medium
MES-Compliance: 21 CFR Part 11 relevance	No

### 3.1.1.2 GID-2672071 ACTIVE MODE (SR0600.1.2)

1. Instruction table panel and/or instruction link panel  
 (only if an instruction table and/or instruction link is defined for the phase)
  1. <Instruction text>  
 (taken from Instruction (SR0600.8.1) process parameter)
  2. Master recipe  
 (taken from Master recipe (SR0600.8.3) process parameter ([GID-2672084](#)))
  3. Cost center  
 (visibility depends on Cost center configuration (SR0600.8.2) process parameter ([GID-2672083](#)))
  4. Batch
  5. Product  
 (initially taken from Master recipe (SR0600.8.3) process parameter ([GID-2672084](#)) or empty if S88DefaultMaterial01 is the master recipe product)
  6. Order ID  
 (initially system-generated)
  7. Order comment
  8. Confirm button.

- Define Order Phase (SR0600+)
- 
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Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### 3.1.1.3 GID-2672072 COMPLETED MODE (SR0600.1.3)

1. Instruction table panel and/or instruction link panel  
(only if an instruction table and/or instruction link is defined for the phase)
  1. <Instruction text>  
(taken from **Instruction (SR0600.8.1)** process parameter)
  2. Master recipe
  3. Cost center  
(visibility depends on **Cost center configuration (SR0600.8.2)** process parameter  
[\(GID-2672083\)](#))
  4. Batch
  5. Product
  6. Order ID
  7. Order comment
  8. **Confirm** button (completed).

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### 3.1.2 Representation in Navigator (SR0600.4+)

The Navigator provides the following details:

#### 3.1.2.1 PHASE COLUMN (FRAMEWORK CAPABILITY)

- <Phase name>
  - Example:  
Cost center Order

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- 
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### 3.1.2.2 GID-2672074 INFORMATION COLUMN (SR0600.4.1)

- <Identifier of order>
  - Example: CC1234

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Low
MES-Compliance: 21 CFR Part 11 relevance	No

### 3.1.2.3 ACTION COLUMN

- There are no actions available.

### 3.1.3 Representation in Sub-report (SR0600.5+)

The sub-report contains the following information:

#### 3.1.3.1 COMMON SUB-REPORT ELEMENTS (FRAMEWORK CAPABILITY)

- <Start time>
- <Completion time>
- <Unit procedure> / <operation> / <phase>
- <Work center> / <station> / <device> - <phase completion user>

#### 3.1.3.2 GID-2672077 SUB-REPORT ELEMENTS (SR0600.5.1)

1. Instruction table panel and/or instruction link panel  
(only if an instruction table and/or instruction link is defined for the phase)
2. Master recipe ID
3. Cost center  
(visibility depends on **Cost center configuration (SR0600.8.2)** process parameter ([GID-2672083](#)))
4. Batch ID
5. Product ID
6. Order ID
7. Order comment

- Define Order Phase (SR0600+)
- 
- 
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Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

## 3.2 Business Logic (SR0600.2+)

The phase implements the following business logic.

### 3.2.1 *GID-2670060 Initialize phase (SR0600.2.1)*

- Function: Initializing the phase
- Trigger: Phase becomes active
- Postcondition: Phase displays pre-defined data

Step	#	Description
Phase activation	10.1	Phase displays its user interface according to the <b>Active mode (SR0600.1.2)</b> layout ( <a href="#">GID-2672071</a> ).
	10.2	Phase generates a default order ID.
	10.3	Phase verifies the default master recipe defined by the <b>Master recipe (SR0600.8.3)</b> process parameter ( <a href="#">GID-2672084</a> ). <ul style="list-style-type: none"> <li>▪ If the <b>Read-only</b> attribute is set to <b>Yes</b>, no master recipe can be selected.</li> <li>▪ If the product of the default master recipe is not the <b>S88DefaultMaterial01</b> material, phase updates the product data with the material data.</li> <li>▪ If there is no valid version of the master recipe, phase displays the <b>No valid version of defined master recipe available (SR0600.3.6.7)</b> error message (<a href="#">GID-2672085</a>) and clears the option list.</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
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### 3.2.2 *GID-2670061 Specify order (SR0600.2.2)*

- Function: Specifying an order of a usage type other than **Production**
- Trigger: Operator provides data (via scan or manually)
- Postcondition: Order is completely specified.

Step	#	Description
Operator scans or selects master recipe	10	If the product of the default master recipe is not the <b>S88DefaultMaterial01</b> material, phase updates the product data with the material data.
Operator scans or selects cost center ID	20	If the <b>Visible</b> attribute of the <b>Cost center configuration (SR0600.8.2)</b> process parameter ( <a href="#">GID-2672083</a> ) is set to <b>Yes</b> , phase displays cost center option list for the selection of a cost center.  If the scanned cost center does not exist, phase clears the option list.
Operator scans or types batch ID	30	The batch identifier is taken over.
Operator scans or types product ID	40	The material identifier of the product is taken over. If the batch identifier has not been defined so far, a new batch identifier is created.
Operator scans or types order ID	50	The order identifier is taken over. Phase checks if the order identifier is unique. Uniqueness of order identifier includes purged orders. If the check fails, phase displays the <b>Duplicate order number not allowed (SR0600.3.6.6)</b> error message ( <a href="#">GID-2672093</a> ).
Operator types order comment	60	The order comment is taken over.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### 3.2.3 *GID-2670062 Confirm phase (SR0600.2.3)*

- Function: Completion of phase
- Trigger: Operator confirms phase

- Define Order Phase (SR0600+)
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- Postcondition: Phase is completed. Order is created and in the **Exploded** status.

Step	#	Description
Operator confirms phase	10	Operator confirms the order specification.
	20.1	If the batch ID has been deleted accidentally, phase generates a new batch ID (only if a product has been provided) and updates its user interface accordingly. If no product has been provided, see check 3 of step 30.
	20.2	If a batch ID has been provided, phase creates a new batch based on the provided data and if one of the following conditions are met: <ul style="list-style-type: none"> <li>Batch IDs are unique (<b>LibraryHolder/services-inventory-impl.jar/AreBatchIdentifiersUnique</b> configuration key is set to <b>True</b>) and the batch does not exist yet.</li> </ul> OR <ul style="list-style-type: none"> <li>Batch IDs are not unique (<b>LibraryHolder/services-inventory-impl.jar/AreBatchIdentifiersUnique</b> configuration key is set to <b>False</b>) and the compound batch does not exist yet.</li> </ul>
	20.3	If no order ID has been provided, phase generates a new order ID and updates its user interface accordingly.
Phase creates and explodes order	30	If one of the following checks is violated, phase displays an error message: <ul style="list-style-type: none"> <li>Master recipe must be provided, <b>No master recipe selected</b> (SR0600.3.6.1) error message (<a href="#">GID-2672086</a>).</li> <li>Cost center must be provided (only if <b>Mandatory</b> attribute of <b>Cost center configuration</b> (SR0600.8.2) process parameter (<a href="#">GID-2672083</a>) set to Yes), <b>No cost center selected</b> (SR0600.3.6.2) error message (<a href="#">GID-2672087</a>).</li> <li>Product must be provided, <b>No product defined</b> (SR0600.3.6.3) error message (<a href="#">GID-2672088</a>).</li> <li>Order (identifier) already exists, <b>Duplicate order number not allowed</b> (SR0600.3.6.6) error message (<a href="#">GID-2672093</a>).</li> <li>Batch must not be in use, <b>Batch identifier already used</b> (SR0600.3.6.4) error message (<a href="#">GID-2672091</a>).</li> </ul>
		If all checks are passed successfully, the order is created and exploded. If an error occurs during the order explosion, phase displays the <b>Error during order explosion</b> (SR0600.3.6.8) error message ( <a href="#">GID-2672094</a> ).
Phase completion	40	Phase is completed.

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
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Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### 3.3 Process Parameters (SR0600.8+)

The following process parameters define the behavior of the phase.

#### 3.3.1 *Instruction Table-specific Parameters*

##### 3.3.1.1 INSTRUCTION TABLE DEFINITION (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Table layout	Choice list	Defines the layout of the instruction table holding the instruction texts. Available settings: <b>1 column, 2 columns, 3 columns, 4 columns, 5 columns</b> . Default setting: <b>1 column</b> .
First column narrow	Boolean	Defines if the first column of the table shall be narrow.
Show all borders	Boolean	Defines if the borders of the table shall be visible.

##### 3.3.1.2 INSTRUCTION TABLE TEXT (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Column 1	HTML text	Instruction text to be displayed in a column.
Column 2	HTML text	<b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).
Column 3	HTML text	
Column 4	HTML text	
Column 5	HTML text	

- Define Order Phase (SR0600+)
- 
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### 3.3.2 *Instruction Link-specific Parameters*

#### 3.3.2.1 INSTRUCTION TEXT WITH LINKS (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Instruction text	HTML text	<p>Instruction text to be displayed.</p> <p>For any text enclosed in curly brackets you can define a hyperlink with the <b>Instruction link definition</b> process parameter (<a href="#">GID-2672081</a>).</p> <p>Example: Refer to {SOP1270} for guidance.</p> <p>Maximum length is 2000 characters (including HTML tags).</p>

#### 3.3.2.2 INSTRUCTION LINK DEFINITION (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Link text	Text	<p>Text to be used as link.</p> <p>For any text enclosed in curly brackets within the instruction text you can define a link with the <b>Link URL</b> attribute.</p> <p>Including the brackets in the link text is optional.</p> <p>Maximum length is 80 characters.</p>
Link URL	Text	<p>URL of the file to be displayed. The link opens the external application assigned to the file type by the operating system.</p> <p>Maximum length is 256 characters.</p>

### 3.3.3 *Basic Parameters*

#### 3.3.3.1 GID-2672082 INSTRUCTION (SR0600.8.1)

Attribute	Type	Comment
Column 1	HTML text	<p>Instruction text to be displayed.</p> <p><b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).</p>
Column 2	HTML text	Not used.
Column 3	HTML text	

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
- 

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### 3.3.4 Order Parameters

#### 3.3.4.1 GID-2672083 COST CENTER CONFIGURATION (SR0600.8.2)

Attribute	Type	Comment
Visible	Boolean	Controls if the parameter is available for the phase. Default setting: Yes.
Mandatory	Boolean	Controls if the selected value must be valid when the phase is completed with the Confirm button. Do not set the attribute to Yes if the Visible attribute is set to No. Default setting: No.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 3.3.4.2 GID-2672084 MASTER RECIPE (SR0600.8.3)

The system allows to define an access privilege for the protection of master recipes from unauthorized access. Subsequently, it shall only allow to select a master recipe whose access privilege matches the access privilege of the logged-in user.

Attribute	Type	Comment
Default	Reference	Reference to the master recipe to be pre-selected when the phase is executed.

- Define Order Phase (SR0600+)
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Attribute	Type	Comment
		Only master recipes in the <b>Scheduled</b> or <b>Valid</b> status can be selected. If no master recipe has been selected, do not set the <b>Read-only</b> attribute to <b>Yes</b> . Default setting: No master recipe is selected.
Read-only	Boolean	Controls if the master recipe can be selected when the phase is executed. Default setting: <b>No</b> .

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### 3.4 Exceptions (SR0600.3+)

The phase supports user-defined, user-triggered ([GID-2670068](#)), system-triggered ([GID-2670067](#)), and post-completion exceptions ([GID-2670069](#)) and their configuration by means of process parameters ([GID-2668623](#)).

User-defined exceptions cannot be configured by process parameters since they are provided by the framework and independent of phases.

#### 3.4.1 System-triggered Exceptions

There are no system-triggered exceptions available.

#### 3.4.2 User-triggered Exceptions

There are no user-triggered exceptions available.

#### 3.4.3 Post-completion Exceptions

There are no post-completion exceptions available.

### 3.5 Information Messages

There are no information messages available.

### 3.6 Questions

There are no questions available.

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- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
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### 3.7 Decisions

There are no decisions available.

### 3.8 Error Messages (SR0600.3.6+)

Error messages are represented in an error message dialog containing a message type-specific icon, the error message, and an **OK** button.

They are composed of up to two levels:

1. header and
2. details (not always used).

The following error messages are available to inform the operator about error conditions.

#### 3.8.1 Initialization-specific Error Messages

##### 3.8.1.1 GID-2672085 NO VALID VERSION OF DEFINED MASTER RECIPE AVAILABLE (SR0600.3.6.7)

UI text	Comment
The default master recipe (identifier) is not available in a valid version.	<p>Message pack: PhaseWDDefineOrder&lt;version&gt;        Message ID:        defineOrder_DefaultMasterRecipeNotValid_Error</p> <p>Potential error cause: There is no valid version of the defined master recipe available at the time of order definition.        This can only happen if the pre-defined master recipe is not available in the <b>Valid</b> status.</p>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	Yes

#### 3.8.2 Order Creation Failed-specific Error Messages

##### 3.8.2.1 GID-2672086 NO MASTER RECIPE SELECTED (SR0600.3.6.1)

UI text	Comment
▪ <Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error	▪ Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message ( <a href="#">GID-2672095</a> )

- Define Order Phase (SR0600+)
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UI text	Comment
<p>message <a href="#">(GID-2672095)</a>&gt;</p> <ul style="list-style-type: none"> <li>No master recipe selected.</li> </ul>	<p>Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message <a href="#">(GID-2672095)</a></p> <ul style="list-style-type: none"> <li>Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_NoMasterRecipe_Error</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Medium
MES-Compliance: 21 CFR Part 11 relevance	Yes

### 3.8.2.2 GID-2672087 No cost CENTER SELECTED (SR0600.3.6.2)

UI text	Comment
<ul style="list-style-type: none"> <li>&lt;Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error message <a href="#">(GID-2672095)</a>&gt;</li> <li>No cost center selected.</li> </ul>	<ul style="list-style-type: none"> <li>Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message <a href="#">(GID-2672095)</a> Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message <a href="#">(GID-2672095)</a></li> <li>Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_NoMandatoryCostCenter_Error</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Medium
MES-Compliance: 21 CFR Part 11 relevance	Yes

### 3.8.2.3 GID-2672088 NO PRODUCT DEFINED (SR0600.3.6.3)

UI text	Comment
<ul style="list-style-type: none"> <li>&lt;Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error message <a href="#">(GID-2672095)</a>&gt;</li> <li>No product defined.</li> </ul>	<ul style="list-style-type: none"> <li>Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message <a href="#">(GID-2672095)</a> Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message <a href="#">(GID-2672095)</a></li> <li>Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_NoPart_Error</li> </ul>

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
- 

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Medium
MES-Compliance: 21 CFR Part 11 relevance	Yes

### 3.8.2.4 GID-2672089 PRODUCT DOES NOT EXIST (SR0600.3.6.12)

UI text	Comment
<ul style="list-style-type: none"> <li>&lt;Header as defined in <b>Error message grouping</b> (<b>SR0600.3.6.9</b>) error message <a href="#">(GID-2672095)</a>&gt;</li> <li>Defined product does not exist.</li> </ul>	<ul style="list-style-type: none"> <li>Message pack: See <b>Error message grouping</b> (<b>SR0600.3.6.9</b>) error message <a href="#">(GID-2672095)</a> Message ID: See <b>Error message grouping</b> (<b>SR0600.3.6.9</b>) error message <a href="#">(GID-2672095)</a></li> <li>Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_NonExistentPart_Error</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	Yes

### 3.8.2.5 GID-2672090 BATCH CANNOT BE CREATED (SR0600.3.6.10)

UI text	Comment
<ul style="list-style-type: none"> <li>&lt;Header as defined in <b>Error message grouping</b> (<b>SR0600.3.6.9</b>) error message <a href="#">(GID-2672095)</a>&gt;</li> <li>Batch creation failed. Please check the batch identifier.</li> </ul>	<ul style="list-style-type: none"> <li>Message pack: See <b>Error message grouping</b> (<b>SR0600.3.6.9</b>) error message <a href="#">(GID-2672095)</a> Message ID: See <b>Error message grouping</b> (<b>SR0600.3.6.9</b>) error message <a href="#">(GID-2672095)</a></li> <li>Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_ExceptionOnCreateBatch_Category  Potential error cause: Creation of the batch failed due to a too long identifier or wrong expiry or retest dates.</li> </ul>

- Define Order Phase (SR0600+)
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Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	Yes

### 3.8.2.6 GID-2672091 BATCH IDENTIFIER ALREADY USED (SR0600.3.6.4)

UI text	Comment
<ul style="list-style-type: none"> <li>&lt;Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)&gt;</li> <li>Batch is already in use with another order.</li> </ul>	<ul style="list-style-type: none"> <li>Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>) Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)</li> <li>Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_BatchInUse_Error</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	Yes

### 3.8.2.7 GID-2672092 BATCH MATERIAL DOES NOT MATCH PRODUCT (SR0600.3.6.5)

UI text	Comment
<ul style="list-style-type: none"> <li>&lt;Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)&gt;</li> <li>Batch and product material are not identical.</li> </ul>	<ul style="list-style-type: none"> <li>Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>) Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)</li> <li>Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_BatchPartVsPart_Error</li> </ul> <p>Potential error cause: Batch-related material is not identical with product material.</p>

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
- 

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	Yes

### 3.8.2.8 GID-2672093 DUPLICATE ORDER NUMBER NOT ALLOWED (SR0600.3.6.6)

UI text	Comment
<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)&gt;</li> <li>▪ Order identifier is not unique.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>) Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)</li> <li>▪ Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_OrderNumberExists_Error</li> </ul>
<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)&gt;</li> <li>▪ Cannot create the &lt;order identifier&gt; order, since an order with same identifier existed before.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>) Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)</li> <li>▪ Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_OrderWasPurged_Error</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	Yes

- Define Order Phase (SR0600+)
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### 3.8.3 Order Explosion Failed-specific Error Messages

#### 3.8.3.1 GID-2672094 ERROR DURING ORDER EXPLOSION (SR0600.3.6.8)

UI text	Comment
<ul style="list-style-type: none"> <li>▪ Cannot explode the order.</li> <li>▪ &lt;System error message&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_ExceptionOnDefineOrder_Category</li> <li>▪ &lt;System error message&gt;</li> </ul> <p>Potential error cause: Order explosion failed due to an internal error.</p>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	Yes

#### 3.8.3.2 GID-2672095 ERROR MESSAGE GROUPING (SR0600.3.6.9)

If several errors occur during the execution of the **Confirm** action, the error messages are combined and displayed in a single error dialog. The two error levels specified in the **Error Messages (SR0600.3.6+)** description ([GID-2668628](#)) are used as follows.

The combined error message consists of:

1. One header message and
2. one or more detail messages.

UI text	Comment
<ul style="list-style-type: none"> <li>▪ Cannot create the order, since some data has not been defined correctly.</li> <li>▪ &lt;List of detail messages&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_SomeDataNotDefined_Category</li> <li>▪ Error message detail as defined for each individual error message above.</li> </ul> <p>Potential error cause: If several errors related to the execution of the <b>Confirm</b> button exist, the displayed error message contains all error details that apply.</p> <p>The following error messages are subject to message grouping:</p> <ul style="list-style-type: none"> <li>▪ No master recipe selected (SR0600.3.6.1) (<a href="#">GID-2672086</a>)</li> <li>▪ No cost center selected (SR0600.3.6.2) (<a href="#">GID-2672087</a>)</li> </ul>

- 
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- 
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UI text	Comment
	<ul style="list-style-type: none"> <li>▪ No product defined (SR0600.3.6.3) (<a href="#">GID-2672088</a>)</li> <li>▪ Batch identifier already used (SR0600.3.6.4) (<a href="#">GID-2672091</a>)</li> <li>▪ Batch material does not match product (SR0600.3.6.5) (<a href="#">GID-2672092</a>)</li> <li>▪ Duplicate order number not allowed (SR0600.3.6.6) (<a href="#">GID-2672093</a>)</li> <li>▪ No valid version of defined master recipe available (SR0600.3.6.7) (<a href="#">GID-2672085</a>)</li> <li>▪ Batch cannot be created (SR0600.3.6.10) (<a href="#">GID-2672090</a>)</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	Yes

## 3.9 Output Variables (SR0600.9+)

The following output variables are available to reference the phase's output.

### 3.9.1 *Instance count (Framework capability)*

- Data type: Long
- Usage: The output variable provides the count of the number of instances the phase has been processed, for example in a loop. The count is also increased when the phase is skipped from an operator's perspective, since the phase is still executed, but as a hidden phase.

The count variable of a phase that has not been executed provides 0 as output value.

### 3.9.2 *Start time (Framework capability)*

- Data type: Timestamp
- Usage: The output variable provides the start time of the phase.

### 3.9.3 *Completion time (Framework capability)*

- Data type: Timestamp
- Usage: The output variable provides the completion time of the phase.

### **3.9.4 Identifier (*Framework capability*)**

- Data type: String
- Usage: The output variable provides the identifier of the phase.

### **3.9.5 GID-2670077 Cost center ID (SR0600.9.2)**

- Data type: String
- Usage: The output variable provides the cost center identifier.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### **3.9.6 GID-2670078 Order ID (SR0600.9.1)**

- Data type: String
- Usage: The output variable provides the order identifier.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### **3.9.7 GID-2670079 Batch ID (SR0600.9.3)**

- Data type: String
- Usage: The output variable provides the product batch identifier.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

- 
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- 
- 

### **3.9.8 GID-2670080 Product ID (SR0600.9.4)**

- Data type: String
- Usage: The output variable provides the product identifier.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

## 4 Edit BOM Phase (SR0605+)

The **Edit BOM** phase (D Edit BOM) allows an operator to manage the BOM items of a shop floor-defined order.

An example use case is:

- Define a BOM for a cost center-related weighing order that was previously defined on the shop floor.

Only the default sub-report elements are available for documentation purposes in the sub-report ([GID-2670083](#)).

Anomalies that occur during processing are covered by the phase exception handling ([GID-2668633](#)) (e.g. adding a user-defined exception).

After completion the phase displays the defined BOM items with the following data in the Execution Window:

- position
- material identifier
- short description
- planned quantity
- lower tolerance (abs./rel.)
- upper tolerance (abs./rel.),
- weighing material type.

The Navigator displays the identifier of the order.

Check and complete the BOM data.						
Pos	Material ID	Short description	Planned	Lower tolerance (abs./rel.)	Upper tolerance (abs./rel.)	Weighing material type
10	D003-04	Ethanol 96 %	10.0 g	1 g 1.00 %	1 g 1.00 %	Auxiliary substance
20	D130-03	Sonolin retard 100 mg	1,100.0 g	1 g 1.00 %	1 g 1.00 %	Active substance
Add		Edit	Delete			
						Confirm

Figure 7 Edit BOM during execution

### 4.1 Layout

The phase provides individual layouts for its representation during execution ([GID-2670081](#)), in the Navigator ([GID-2670082](#)), and in the sub-report ([GID-2670083](#)).

- 
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- 
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#### **4.1.1.1 Representation during Execution (SR0605.1+)**

The representation during execution depends on the phase mode.

##### **4.1.1.1.1 GID-2672096 PREVIEW MODE (SR0605.1.1)**

1. <Instruction text>  
(taken from **Instruction (SR0605.8.1)** process parameter ([GID-2672110](#)))
2. Header of the **Table of materials (SR0605.1.4)** presentation ([GID-2672097](#))
3. **Add** button (disabled).
4. **Edit** button (disabled).
5. **Delete** button (disabled).
6. **Confirm** button (disabled).

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Medium
MES-Compliance: 21 CFR Part 11 relevance	No

##### **4.1.1.2 GID-2672097 TABLE OF MATERIALS (SR0605.1.4)**

Data available per BOM item:

- Position
- Material identifier
- Material short description
- Planned quantity
- Lower tolerance (abs./rel.)  
N/A in case one of the values is not defined.
- Upper tolerance (abs./rel.)  
N/A in case one of the values is not defined.
- Weighing material type

The entries are sorted according to the position column by default.

If only numeric positions are used, the entries are sorted numerically, otherwise alphanumerically in ascending order.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.1.1.3 GID-2672098 ACTIVE MODE (SR0605.1.2)

1. Instruction table panel and/or instruction link panel  
(only if an instruction table and/or instruction link is defined for the phase)
2. <Instruction text>  
(taken from **Instruction (SR0605.8.1)** process parameter ([GID-2672110](#)))
3. List of materials available for dispensing (**Table of materials (SR0605.1.4)** presentation ([GID-2672097](#)))  
(taken from the order step inputs of the order referenced by the **Order (SR0605.8.2)** process parameter ([GID-2672111](#)))
  - If the order has no order step inputs, the phase displays only the header of the table.
  - **Add** button (**BOM item details (SR0605.1.5)** form ([GID-2672099](#)))
    - Only enabled, if a suitable order can be loaded.
  - **Edit** button (**BOM item details (SR0605.1.5)** form ([GID-2672099](#))).  
• Only enabled, if a BOM item is selected.
  - **Delete** button.  
• Only enabled, if a BOM item is selected.
  - **Confirm** button.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.1.1.4 GID-2672099 BOM ITEM DETAILS (SR0605.1.5)

Data available per BOM item:

1. **Position** (preset by the phase)

- 
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- 
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2. **Material identifier**
3. **Material short description** (read-only)
4. **Weighing material type** (read-only)
5. **Planned quantity** and **UoM** toggle button
6. **Lower tolerance (absolute)** and **UoM** toggle button
7. **Upper tolerance (absolute)** and **UoM** toggle button
8. **Lower tolerance (relative)**
9. **Upper tolerance (relative)**
10. **Comment on label**
11. **Save** button
12. **Cancel** button

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.1.1.5 GID-2672100 COMPLETED MODE (SR0605.1.3)

1. Instruction table panel and/or instruction link panel  
(only if an instruction table and/or instruction link is defined for the phase)
2. <Instruction text>  
(taken from **Instruction (SR0605.8.1)** process parameter ([GID-2672110](#)))
3. List of materials available for dispensing (**Table of materials (SR0605.1.4)** presentation ([GID-2672097](#)))  
(taken from the order step inputs of the order referenced by the **Order (SR0605.8.2)** process parameter ([GID-2672111](#)))
4. **Add** button (completed).
5. **Edit** button (completed).
6. **Delete** button (completed).
7. **Confirm** button (completed).

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.1.2 *Representation in Navigator (SR0605.4+)*

The Navigator provides the following details:

##### 4.1.2.1 PHASE COLUMN (FRAMEWORK CAPABILITY)

1. <Phase name>
2. Example:  
Cost center BOM

##### 4.1.2.2 GID-2672102 INFORMATION COLUMN (SR0605.4.1)

1. <Identifier of order>
2. Example: CC1234

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Low
MES-Compliance: 21 CFR Part 11 relevance	No

##### 4.1.2.3 ACTION COLUMN

- There are no actions available.

#### 4.1.3 *Representation in Sub-report (SR0605.5+)*

The sub-report contains the following information:

##### 4.1.3.1 COMMON SUB-REPORT ELEMENTS (FRAMEWORK CAPABILITY)

- <Start time>
- <Completion time>
- <Unit procedure> / <operation> / <phase>
- <Work center> / <station> / <device> - <phase completion user>

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- 
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#### 4.1.3.2 GID-2672105 SUB-REPORT ELEMENTS (SR0605.5.1)

- Instruction table panel and/or instruction link panel  
(only if an instruction table and/or instruction link is defined for the phase)
- There are no phase-specific sub-report elements.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

## 4.2 Business Logic (SR0605.2+)

The phase implements the following business logic.

### 4.2.1 GID-2670084 Initialize phase (SR0605.2.1)

- Function: Initializing the phase
- Trigger: Phase becomes active
- Postcondition: List of BOM items reflects order step inputs

Step	#	Description
Phase activation	10	Phase displays its user interface according to the <b>Active mode (SR0605.1.2)</b> layout ( <a href="#">GID-2672098</a> ).
	20	Phase verifies the order defined by the <b>Order (SR0605.8.2)</b> process parameter ( <a href="#">GID-2672111</a> ). <ul style="list-style-type: none"> <li>▪ If the order does not exist, phase displays the <b>Unknown order (SR0605.3.6.1)</b> error message (<a href="#">GID-2670097</a>).</li> <li>▪ If the order exists, but is not in the <b>Exploded</b> status, phase displays the <b>Invalid order status (SR0605.3.6.2)</b> error message (<a href="#">GID-2670098</a>).</li> </ul>
	30	If all checks are passed successfully, phase displays all order step inputs of the order in the <b>Table of materials (SR0605.1.4)</b> presentation ( <a href="#">GID-2672097</a> ) and enables the <b>Add</b> button (see <b>Add BOM item (SR0605.2.2)</b> function ( <a href="#">GID-2670085</a> )).  Otherwise the <b>Add</b> button is disabled.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.2.2 *GID-2670085 Add BOM item (SR0605.2.2)*

- Function: Adding a BOM item
- Trigger: Operator starts adding a BOM item
- Postcondition: BOM item is added

Step	#	Description
Operator scans material ID or taps Add button	10	<p>Phase checks if the BOM of the order was modified by an administrative action. If so, phase displays the <b>Modified BOM (SR0605.3.6.19)</b> error message (<a href="#">GID-2670112</a>). Otherwise, phase displays <b>BOM item details (SR0605.1.5)</b> form (<a href="#">GID-2672099</a>). initializes the position, and generates the position number according to the following rules:</p> <ul style="list-style-type: none"> <li>▪ Start with the next 10th step after highest number.</li> <li>▪ If this item is the first item, start with 10.</li> <li>▪ Use a step width of 10.</li> </ul> <p>If the material has a weighing material type other than <b>Auxiliary substance</b>, the phase displays the <b>Adding material with weighing material type different from auxiliary (SR0605.3.4.1)</b> information message (<a href="#">GID-2670095</a>) before the material identifier is taken over. The scanned material ID is taken over.</p>
	10.1	If the scanned material does not exist, phase displays the <b>Material invalid (SR0605.3.6.4)</b> error message ( <a href="#">GID-2670100</a> ).
	10.2	If the scanned material exists, phase initializes the <b>UoM</b> toggle button for the planned quantity and absolute tolerances with the material's unit of measure and displays the material's short description. If a material-specific unit conversion has been defined for the material, the <b>UoM</b> toggle button also displays the target unit of measure of the conversion. The lower tolerance (abs.) is set to the material's lower absolute tolerance value and the upper tolerance (abs.) is set to the material's upper absolute tolerance value. The lower tolerance (rel.) is set to the material's lower relative tolerance

- 
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- 
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<b>Step</b>	<b>#</b>	<b>Description</b>
		value and the upper tolerance (rel.) is set to the material's upper relative tolerance value. The focus moves to the <b>Planned quantity</b> box.
Operator scans or types planned quantity	20	The planned quantity is taken over. If the planned quantity does not fit, phase displays the <b>Planned quantity invalid (SR0605.3.6.7)</b> error message ( <a href="#">GID-2670108</a> ) The focus moves to the <b>Comment on label</b> box.
Operator scans or types lower absolute tolerance	30	The lower absolute tolerance is taken over.
Operator scans or types upper absolute tolerance	40	The upper absolute tolerance is taken over.
Operator scans or types lower relative tolerance	50	The lower relative tolerance is taken over.
Operator scans or enters upper relative tolerance	60	The upper relative tolerance is taken over.
Operator scans or types data related to <b>Comment on label</b>	70	The comment on label data is taken over.

Step	#	Description
Operator saves data	80.1	<p>Phase checks if the BOM of the order was modified by an administrative action. If so, phase displays the <b>Modified BOM (SR0605.3.6.19)</b> error message link.</p> <p>Otherwise, phase continues. If one of the following checks is violated, phase displays an error message:</p> <ul style="list-style-type: none"> <li>▪ Material must exist, <b>Material invalid (SR0605.3.6.4)</b> error message (<a href="#">GID-2670100</a>).</li> <li>▪ Lower tolerance (abs.) must be a positive numeric value, <b>Lower tolerance (abs.) invalid (SR0605.3.6.14)</b> error message (<a href="#">GID-2670103</a>).</li> <li>▪ Upper tolerance (abs.) must be a positive numeric value, <b>Upper tolerance (abs.) invalid (SR0605.3.6.15)</b> error message (<a href="#">GID-2670104</a>).</li> <li>▪ Lower tolerance (rel.) must be a positive percentage value, <b>Lower tolerance (rel.) invalid (SR0605.3.6.5)</b> error message (<a href="#">GID-2670101</a>).</li> <li>▪ Upper tolerance (rel.) must be a positive percentage value, <b>Upper tolerance (rel.) invalid (SR0605.3.6.6)</b> error message (<a href="#">GID-2670102</a>).</li> <li>▪ Either absolute or relative tolerances must be defined, <b>No tolerances defined invalid (SR0605.3.6.18)</b> error message link.</li> <li>▪ Either absolute or relative lower tolerance must be defined, <b>Lower tolerance undefined (SR0605.3.6.16)</b> error message (<a href="#">GID-2670105</a>).</li> <li>▪ Either absolute or relative upper tolerance must be defined, <b>Upper tolerance undefined (SR0605.3.6.17)</b> error message (<a href="#">GID-2670106</a>).</li> <li>▪ Planned quantity must fit, <b>Planned quantity invalid (SR0605.3.6.7)</b> error message (<a href="#">GID-2670108</a>).</li> <li>▪ Position contains filler material, but current position is alphanumeric, <b>BOM position invalid (SR0605.3.6.8)</b> error message (<a href="#">GID-2670109</a>).</li> <li>▪ Position must be unique, <b>Duplicate position not allowed (SR0605.3.6.11)</b> error message (<a href="#">GID-2670110</a>).</li> <li>▪ Data related to <b>Comment on label</b> consists of more than 30 characters, <b>Comment exceeds maximum length (SR0605.3.6.12)</b> error message (<a href="#">GID-2670111</a>)</li> </ul>
	80.2	If all checks are passed successfully, phase creates an order step input of the <b>Auxiliary substance</b> weighing material type and updates the <b>Table of materials (SR0605.1.4)</b> presentation ( <a href="#">GID-2672097</a> )

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High

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- 
- 

Attribute	Value
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.2.3 *GID-2670086 Edit BOM item (SR0605.2.3)*

- Function: Editing a BOM item
- Trigger: Operator starts editing a BOM item
- Postcondition: BOM item is modified

Step	#	Description
Operator taps <b>Edit</b> button	10	Phase checks if the BOM of the order was modified by an administrative action. If so, phase displays the <b>Modified BOM (SR0605.3.6.19)</b> error message ( <a href="#">GID-2670112</a> ). Otherwise, phase displays <b>BOM item details (SR0605.1.5)</b> form ( <a href="#">GID-2672099</a> ).
Operator edits BOM item data (in any order)	20	Data is taken over.
	20.1	If the operator scans a planned quantity, phase checks if the planned quantity fits. If the check is violated, phase displays the <b>Planned quantity invalid (SR0605.3.6.7)</b> error message ( <a href="#">GID-2670108</a> ).
	20.2	If the operator changes the BOM item's material, phase performs the following actions.  If the original material's unit of measure is <b>not</b> convertible to the unit of measure of the new material: <ul style="list-style-type: none"> <li>▪ the <b>UoM</b> toggle buttons also display the target unit of measure of the conversion,</li> <li>▪ lower tolerance (abs.) value is cleared,</li> <li>▪ the upper tolerance (abs.) value is cleared,</li> <li>▪ the lower tolerance (rel.) value is cleared,</li> <li>▪ the upper tolerance (rel.) value is cleared, and</li> <li>▪ the planned quantity is cleared.</li> </ul> Otherwise the values of all tolerances and the planned quantity remain unchanged.  The focus moves to the <b>Planned quantity</b> box.

Step	#	Description
Operator saves data	30.1	<p>Phase checks if the BOM of the order was modified by an administrative action. If so, phase displays the <b>Modified BOM (SR0605.3.6.19)</b> error message (<a href="#">GID-2670112</a>)</p> <p>Otherwise, phase continues. If one of the following checks is violated, phase displays an error message:</p> <ul style="list-style-type: none"> <li>▪ Material must exist, <b>Material invalid (SR0605.3.6.4)</b> error message (<a href="#">GID-2670100</a>).</li> <li style="text-align: center;">&gt;</li> <li>▪ Lower tolerance (abs.) must be a positive numeric value, <b>Lower tolerance (abs.) invalid (SR0605.3.6.14)</b> error message (<a href="#">GID-2670103</a>).</li> <li>▪ Upper tolerance (abs.) must be a positive numeric value, <b>Upper tolerance (abs.) invalid (SR0605.3.6.15)</b> error message (<a href="#">GID-2670104</a>).</li> <li>▪ Lower tolerance (rel.) must be a positive percentage value, <b>Lower tolerance (rel.) invalid (SR0605.3.6.5)</b> error message (<a href="#">GID-2670101</a>).</li> <li>▪ Upper tolerance (rel.) must be a positive percentage value, <b>Upper tolerance (rel.) invalid (SR0605.3.6.6)</b> error message (<a href="#">GID-2670102</a>).</li> <li>▪ Either absolute or relative tolerances must be defined, <b>No tolerances defined invalid (SR0605.3.6.18)</b> error message (<a href="#">GID-2670107</a>).</li> <li>▪ Either absolute or relative lower tolerance must be defined, <b>Lower tolerance undefined (SR0605.3.6.16)</b> error message (<a href="#">GID-2670105</a>).</li> <li>▪ Either absolute or relative upper tolerance must be defined, <b>Upper tolerance undefined (SR0605.3.6.17)</b> error message (<a href="#">GID-2670106</a>).</li> <li>▪ Planned quantity must fit, <b>Planned quantity invalid (SR0605.3.6.7)</b> error message (<a href="#">GID-2670108</a>).</li> <li>▪ Position contains filler material, but current position is alphanumeric, <b>BOM position invalid (SR0605.3.6.8)</b> error message link.</li> <li>▪ Position must be unique, <b>Duplicate position not allowed (SR0605.3.6.11)</b> error message (<a href="#">GID-2670110</a>)</li> <li>▪ Data related to <b>Comment on label</b> consists of more than 30 characters, <b>Comment exceeds maximum length (SR0605.3.6.12)</b> error message (<a href="#">GID-2670111</a>).</li> </ul>
	30.2	If all checks are passed successfully, phase updates the order step input without changing the original weighing material type and updates the <b>Table of materials (SR0605.1.4)</b> presentation ( <a href="#">GID-2672097</a> ).

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
- 

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.2.4 *GID-2670087 Delete BOM item (SR0605.2.4)*

- Function: Deleting a BOM item
- Trigger: Operator starts deleting a BOM item
- Postcondition: BOM item is deleted

Step	#	Description
Operator taps <b>Delete</b> button	10	Phase checks if the BOM of the order was modified by an administrative action. If so, phase displays the <b>Modified BOM (SR0605.3.6.19)</b> error message ( <a href="#">GID-2670112</a> ). Otherwise, phase displays the <b>Delete BOM item (SR0605.3.5.1)</b> question ( <a href="#">GID-2670096</a> ).

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.2.5 *GID-2670088 Confirm phase (SR0605.2.5)*

- Function: Completion of phase
- Trigger: Operator confirms phase
- Postcondition: Phase is completed

Step	#	Description
Operator confirms phase to confirm the BOM	10	Phase checks if the BOM of the order was modified by an administrative action. If so, phase displays the <b>Modified BOM (SR0605.3.6.19)</b> error message ( <a href="#">GID-2670112</a> ).

- Edit BOM Phase (SR0605+)
- 
- 
- 

Step	#	Description
	20	If no BOM item has been defined, phase displays the <b>At least one BOM item required (SR0605.3.6.3)</b> error message ( <a href="#">GID-2670099</a> ).
Phase completion	30	Phase is completed.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

## 4.3 Process Parameters (SR0605.8+)

The following process parameters define the behavior of the phase.

### 4.3.1 Instruction Table-specific Parameters

#### 4.3.1.1 INSTRUCTION TABLE DEFINITION (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Table layout	Choice list	Defines the layout of the instruction table holding the instruction texts. Available settings: <b>1 column</b> , <b>2 columns</b> , <b>3 columns</b> , <b>4 columns</b> , <b>5 columns</b> . Default setting: <b>1 column</b> .
First column narrow	Boolean	Defines if the first column of the table shall be narrow.
Show all borders	Boolean	Defines if the borders of the table shall be visible.

#### 4.3.1.2 INSTRUCTION TABLE TEXT (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Column 1	HTML text	Instruction text to be displayed in a column.
Column 2	HTML text	

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- 
- 

Attribute	Type	Comment
Column 3	HTML text	<b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).
Column 4	HTML text	
Column 5	HTML text	

#### 4.3.2 *Instruction Link-specific Parameters*

##### 4.3.2.1 INSTRUCTION TEXT WITH LINKS (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Instruction text	HTML text	<p>Instruction text to be displayed.</p> <p>For any text enclosed in curly brackets you can define a hyperlink with the <b>Instruction link definition</b> process parameter (<a href="#">GID-2672109</a>).</p> <p>Example: Refer to {SOP1270} for guidance.</p> <p>Maximum length is 2000 characters (including HTML tags).</p>

##### 4.3.2.2 INSTRUCTION LINK DEFINITION (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Link text	Text	<p>Text to be used as link.</p> <p>For any text enclosed in curly brackets within the instruction text you can define a link with the <b>Link URL</b> attribute.</p> <p>Including the brackets in the link text is optional.</p> <p>Maximum length is 80 characters.</p>
Link URL	Text	<p>URL of the file to be displayed. The link opens the external application assigned to the file type by the operating system.</p> <p>Maximum length is 256 characters.</p>

### 4.3.3 Basic Parameters

#### 4.3.3.1 GID-2672110 INSTRUCTION (SR0605.8.1)

Attribute	Type	Comment
Column 1	HTML text	Instruction text to be displayed. <b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).
Column 2	HTML text	Not used.
Column 3	HTML text	

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.3.3.2 GID-2672111 ORDER (SR0605.8.2)

Attribute	Type	Comment
Identifier	String	Reference to the output of a preceding <b>Define order (SR0600+)</b> phase ( <a href="#">GID-2668119</a> ) that provides an order to define the shop floor-defined order context.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### 4.4 Exceptions (SR0605.3+)

The phase supports user-defined, user-triggered ([GID-2670093](#)), system-triggered ([GID-2670092](#)), and post-completion exceptions ([GID-2670094](#)) and their configuration by means of process parameters ([GID-2668632](#)).

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- 
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User-defined exceptions cannot be configured by process parameters since they are provided by the framework and independent of phases.

#### **4.4.1 System-triggered Exceptions**

There are no system-triggered exceptions available.

#### **4.4.2 User-triggered Exceptions**

There are no user-triggered exceptions available.

#### **4.4.3 Post-completion Exceptions**

There are no post-completion exceptions available.

### **4.5 Information Messages (SR0605.3.4+)**

Information messages are represented in an information dialog containing a message type-specific icon, the information message, and an **OK** button.

The following information messages are available to inform the operator about how to proceed.

#### **4.5.1 GID-2670095 Adding material with weighing material type different from auxiliary (SR0605.3.4.1)**

UI text	Comment
The default weighing material type of the identified material is <weighing material type or "Not defined">. For the current BOM, its weighing material type is set to Auxiliary substance.	Message pack: PhaseWDEditBom<version> Message ID: WeighingTypeChange_InfoMsg

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Low
MES-Compliance: 21 CFR Part 11 relevance	No

## 4.6 Questions (SR0605.3.5+)

Questions are represented in a question dialog containing a message type-specific icon, the question, a **Yes** button, and a **No** button.

The following questions are available to request a decision from the operator how to proceed.

### 4.6.1 GID-2670096 Delete BOM item (SR0605.3.5.1)

UI text	Comment
Do you wish to delete BOM item <position> for <material ID>?	Message pack: PhaseWDEditBom<version> Message ID: DeleteBomItem_QuestionMsg

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

## 4.7 Decisions

There are no decisions available.

## 4.8 Error Messages (SR0605.3.6+)

Error messages are represented in an error message dialog containing a message type-specific icon, the error message, and an **OK** button.

They are composed of up to two levels:

1. header and
2. details (not always used).

The following error messages are available to inform the operator about error conditions.

### 4.8.1 GID-2670097 Unknown order (SR0605.3.6.1)

UI text	Comment
Cannot proceed, since the order is unknown.	Message pack: PhaseWDEditBom<version> Message ID: OrderUnknown_ErrorMsg  Potential error cause: The used order ID is not available in the system.

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
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Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.2 *GID-2670098 Invalid order status (SR0605.3.6.2)*

UI text	Comment
Cannot start the phase, since the status of the order is not Exploded.	Message pack: PhaseWDEditBom<version> Message ID: OrderInvalidStatus_ErrorMsg  Potential error cause: At phase activation, the order is not in the <b>Exploded</b> status.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.3 *GID-2670099 At least one BOM item required (SR0605.3.6.3)*

UI text	Comment
Cannot confirm, since the BOM must hold at least one BOM item.	Message pack: PhaseWDEditBom<version> Message ID: BomItemRequired_ErrorMsg

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Medium
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.4 GID-2670100 Material invalid (SR0605.3.6.4)

UI text	Comment
Material must exist in the system and have all weighing-specific data defined.	<p>Message pack: PhaseWDEditBom&lt;version&gt;          Message ID: MaterialInvalid_ErrorMsg</p> <p>Potential error cause: The following information has not been defined for the material:</p> <ul style="list-style-type: none"> <li>▪ default weighing method,</li> <li>▪ allowed weighing method,</li> <li>▪ weighing material type,</li> <li>▪ planned potency, and</li> <li>▪ UoM or conversion that allows to weigh the material.</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.5 GID-2670101 Lower tolerance (rel.) invalid (SR0605.3.6.5)

UI text	Comment
<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message <a href="#">(GID-2670113)</a>&gt;</li> <li>▪ Lower tolerance (rel.) must be a positive percentage value.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message <a href="#">(GID-2670113)</a>          Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message <a href="#">(GID-2670113)</a></li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt;          Message ID: LowerToleranceInvalid_ErrorMsg</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
- 

Attribute	Value
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.6 *GID-2670102 Upper tolerance (rel.) invalid (SR0605.3.6.6)*

UI text	Comment
<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message <a href="#">(GID-2670113)</a>&gt;</li> <li>▪ Upper tolerance (rel.) must be a positive percentage value.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message <a href="#">(GID-2670113)</a> Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message <a href="#">(GID-2670113)</a></li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: UpperToleranceInvalid_ErrorMsg</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.7 *GID-2670103 Lower tolerance (abs.) invalid (SR0605.3.6.14)*

UI text	Comment
<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message <a href="#">(GID-2670113)</a>&gt;</li> <li>▪ Lower tolerance (abs.) must be a positive number with a valid unit of measure.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message <a href="#">(GID-2670113)</a> Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message <a href="#">(GID-2670113)</a></li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: LowerToleranceAbsoluteInvalid_ErrorMsg</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.8 *GID-2670104 Upper tolerance (abs.) invalid (SR0605.3.6.15)*

UI text	Comment
<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ Upper tolerance (abs.) must be a positive number with valid unit of measure.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: UpperToleranceAbsoluteInvalid_ErrorMsg</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.9 *GID-2670105 Lower tolerance undefined (SR0605.3.6.16)*

UI text	Comment
<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ Lower tolerance is not defined.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: NoLowerTolerance_ErrorMsg</li> </ul>

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
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Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.10 *GID-2670106 Upper tolerance undefined (SR0605.3.6.17)*

UI text	Comment
<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping</b> (<b>SR0605.3.6.13</b>) error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ Upper tolerance is not defined.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping</b> (<b>SR0605.3.6.13</b>) error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping</b> (<b>SR0605.3.6.13</b>) error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: NoUpperTolerance_ErrorMsg</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.11 *GID-2670107 No tolerances defined (SR0605.3.6.18)*

UI text	Comment
<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping</b> (<b>SR0605.3.6.13</b>) error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ Tolerances are not defined.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping</b> (<b>SR0605.3.6.13</b>) error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping</b> (<b>SR0605.3.6.13</b>) error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: NoTolerance_ErrorMsg</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.12 GID-2670108 Planned quantity invalid (SR0605.3.6.7)

UI text	Comment
Planned quantity must be a positive number with a valid unit of measure.	<p>Message pack: PhaseWDEditBom&lt;version&gt;  Message ID: PlannedQtyInvalid_ErrorMsg</p> <p>Potential error cause:</p> <ul style="list-style-type: none"> <li>▪ The unit of measure is missing.</li> <li>▪ The planned quantity is not a positive numeric value.</li> <li>▪ The unit of measure is not defined in the system.</li> <li>▪ The scanned unit of measure cannot be converted into the unit of measure of the material.</li> <li>▪ The UoM of the material does not allow to weigh the material. There is no conversion defined that allows to weigh the material.</li> <li>▪ The planned quantity is empty.</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.13 GID-2670109 BOM position invalid (SR0605.3.6.8)

UI text	Comment
<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)  Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt;  Message ID: BOMPositionInvalid_ErrorMsg</li> </ul>

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- 
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UI text	Comment
▪ The BOM position must be a positive integer value, since the BOM contains a filler material.	

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.14 GID-2670110 Duplicate position not allowed (SR0605.3.6.11)

UI text	Comment
<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping</b> (<b>SR0605.3.6.13</b>) error message <a href="#">(GID-2670113)</a>&gt;</li> <li>▪ The &lt;position&gt; BOM position was assigned more than once. BOM positions must be unique.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping</b> (<b>SR0605.3.6.13</b>) error message <a href="#">(GID-2670113)</a> Message ID: See <b>Error message grouping</b> (<b>SR0605.3.6.13</b>) error message <a href="#">(GID-2670113)</a></li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: BOMPositionDuplicate_ErrorMsg</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.15 GID-2670111 Comment exceeds maximum length (SR0605.3.6.12)

UI text	Comment
<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ Comment on label exceeds the maximum length of 30 characters.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: CommentLength_ErrorMsg</li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.16 GID-2670112 Modified BOM (SR0605.3.6.19)

UI text	Comment
The BOM of the order was modified by administrative action and can no longer be processed with the current phase. Please cancel the workflow.	Message pack: PhaseWDEditBom<version> Message ID: BomUpdatedExternally_ErrorMsg

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 4.8.17 GID-2670113 Error message grouping (SR0605.3.6.13)

If several errors occur when the BOM is saved, the error messages are combined and displayed in a single error dialog. The two error levels specified in the **Error Messages (SR0605.3.6+)** description

- 
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- 
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[\(GID-2668637\)](#)are used as follows.

The combined error message consists of:

1. One header message and
2. one or more detail messages.

UI text	Comment
<ul style="list-style-type: none"> <li>▪ Cannot save the BOM item, since some data has not been defined correctly.</li> <li>▪ &lt;List of detail messages&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: SaveBom_ErrorMsg</li> <li>▪ Error message detail as defined for each individual error message above.</li> </ul> <p>Potential error cause: If several errors related to the execution of the <b>Add BOM item (SR0605.2.2)</b> function <a href="#">(GID-2670085)</a>and the <b>Edit BOM item (SR0605.2.3)</b> function <a href="#">(GID-2670086)</a>button exist, the displayed error message contains all error details that apply.</p> <p>The following error messages are subject to message grouping:</p> <ul style="list-style-type: none"> <li>▪ Material invalid (SR0605.3.6.4) <a href="#">(GID-2670100)</a></li> <li>▪ Lower tolerance (rel.) invalid (SR0605.3.6.5) <a href="#">(GID-2670101)</a></li> <li>▪ Upper tolerance (rel.) invalid (SR0605.3.6.6) <a href="#">(GID-2670102)</a></li> <li>▪ Lower tolerance (abs.) invalid (SR0605.3.6.14) <a href="#">(GID-2670103)</a></li> <li>▪ Upper tolerance (abs.) invalid (SR0605.3.6.15) <a href="#">(GID-2670104)</a></li> <li>▪ Lower tolerance undefined (SR0605.3.6.16) <a href="#">(GID-2670105)</a></li> <li>▪ Upper tolerance undefined (SR0605.3.6.17) <a href="#">(GID-2670106)</a></li> <li>▪ No tolerances defined (SR0605.3.6.18) <a href="#">(GID-2670107)</a></li> <li>▪ Planned quantity invalid (SR0605.3.6.7) <a href="#">(GID-2670108)</a></li> <li>▪ BOM position invalid (SR0605.3.6.8) <a href="#">(GID-2670109)</a></li> <li>▪ Duplicate position not allowed (SR0605.3.6.11) <a href="#">(GID-2670110)</a></li> <li>▪ Comment exceeds maximum length (SR0605.3.6.12) <a href="#">(GID-2670111)</a></li> </ul>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

## 4.9 Output Variables (SR0605.9+)

The following output variables are available to reference the phase's output.

### 4.9.1 *Instance count (Framework capability)*

- Data type: Long
- Usage: The output variable provides the count of the number of instances the phase has been processed, for example in a loop. The count is also increased when the phase is skipped from an operator's perspective, since the phase is still executed, but as a hidden phase.  
The count variable of a phase that has not been executed provides 0 as output value.

### 4.9.2 *Start time (Framework capability)*

- Data type: Timestamp
- Usage: The output variable provides the start time of the phase.

### 4.9.3 *Completion time (Framework capability)*

- Data type: Timestamp
- Usage: The output variable provides the completion time of the phase.

### 4.9.4 *Identifier (Framework capability)*

- Data type: String
- Usage: The output variable provides the identifier of the phase.

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- 
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## 5 Dispatch Order Phase (SR0610+)

The **Dispatch order** phase (D Dispatch Order) allows an operator to dispatch the order to one or more work centers out of a pre-defined set of work centers in the master recipe. If no work center is assigned, the order can be processed at all work centers.

An example use case is:

- Define the work center for a cost center-related weighing order that was previously defined on the shop floor.

Only the default sub-report elements are available for documentation purposes in the sub-report ([GID-2670120](#)).

Anomalies that occur during processing are covered by the phase exception handling ([GID-2668642](#)) (e.g. adding a user-defined exception).

After completion the phase displays the selected work centers or a message that all work centers are used in the Execution Window.

The Navigator displays the identifier of the order.

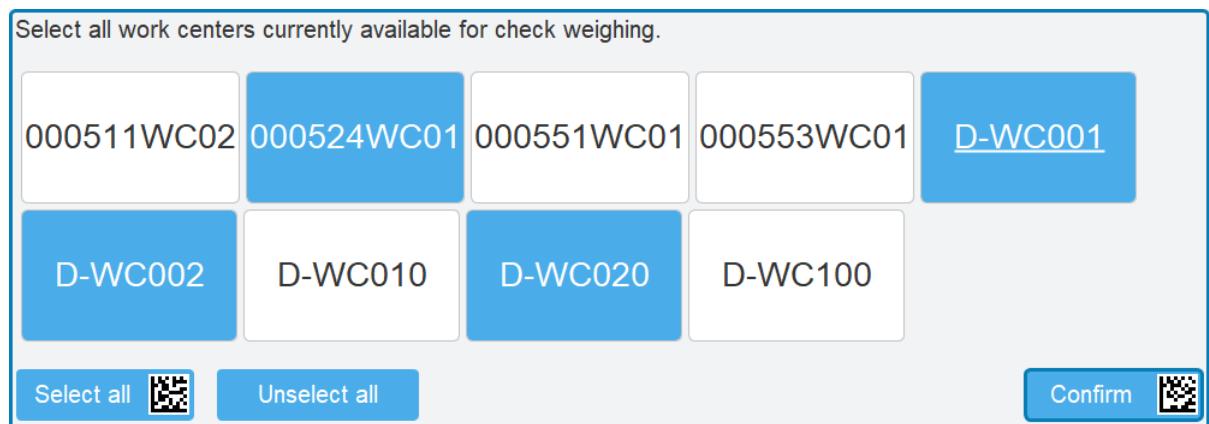


Figure 8 Dispatch order during execution

### 5.1 Layout

The phase provides individual layouts for its representation during execution ([GID-2670118](#)), in the Navigator ([GID-2670119](#)), and in the sub-report ([GID-2670120](#)).

#### 5.1.1 Representation during Execution (SR0610.1+)

The representation during execution depends on the phase mode.

##### 5.1.1.1 GID-2672112 PREVIEW MODE (SR0610.1.1)

1. <Instruction text>  
(taken from **Instruction (SR0610.8.1)** process parameter ([GID-2672124](#)))
2. **Select all** button (disabled).
3. **Unselect all** button (disabled).

- 
- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
- 

4. **Confirm** button (disabled).

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Medium
MES-Compliance: 21 CFR Part 11 relevance	No

#### 5.1.1.2 GID-2672113 ACTIVE MODE (SR0610.1.2)

1. Instruction table panel and/or instruction link panel  
(only if an instruction table and/or instruction link is defined for the phase)
2. <Instruction text>  
(taken from **Instruction (SR0610.8.1)** process parameter ([GID-2672124](#)))
3. If the master recipe of the selected order limits the work centers for dispatching:
  1. List of work centers available for selection, depends on work center data.
  2. **Select all** button.
  3. **Unselect all** button.

Content	UI text	Comment
Selectable work center (1)	Identifier	Phase truncates display of the identifier if required.
Selectable work center (2)	Identifier	Phase truncates display of the identifier if required.
...	...	...
Selectable work center (30)	Identifier	Phase truncates display of the identifier if required.

### LEGEND

Yellow background: work center is selected.

Green background: work center is not selected.

Underlined text: current work center. The current work center is pre-selected by the phase. This is only possible if the current work center is one of the work centers pre-defined in the master recipe.

4. If the master recipe of the selected order does not limit the work centers for dispatching, the operator cannot restrict the selected work centers any further. The phase displays the following information:
  - As configured in the master recipe, the order is dispatched to all work centers.
  - **Select all** button (disabled).
  - **Unselect all** button (disabled).
5. **Confirm** button.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 5.1.1.3 GID-2672114 COMPLETED MODE (SR0610.1.3)

1. Instruction table panel and/or instruction link panel  
(only if an instruction table and/or instruction link is defined for the phase)
2. <Instruction text>  
(taken from **Instruction (SR0610.8.1)** process parameter ([GID-2672124](#)))
3. If the master recipe of the selected order limits the work centers for dispatching:
 

Selected work centers.

  - If the master recipe of the selected order does not limit the work centers for dispatching, the operator cannot restrict the selected work centers any further. The phase displays the following information:
 

As configured in the master recipe, the order is dispatched to all work centers.

    - **Select all** button (disabled).
    - **Unselect all** button (disabled).
    - **Confirm** button (completed).

- 
- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
- 

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### 5.1.2 *Representation in Navigator (SR0610.4+)*

The Navigator provides the following details:

#### 5.1.2.1 PHASE COLUMN (FRAMEWORK CAPABILITY)

- <Phase name>
  - Example:  
Cost center Dispatch

#### 5.1.2.2 GID-2672116 INFORMATION COLUMN (SR0610.4.1)

- <Identifier of order>
  - Example: CC1234

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Low
MES-Compliance: 21 CFR Part 11 relevance	No

#### 5.1.2.3 ACTION COLUMN

- There are no actions available.

### 5.1.3 *Representation in Sub-report (SR0610.5+)*

The sub-report contains the following information:

#### 5.1.3.1 COMMON SUB-REPORT ELEMENTS (FRAMEWORK CAPABILITY)

- <Start time>
- <Completion time>
- <Unit procedure> / <operation> / <phase>
- <Work center> / <station> / <device> - <phase completion user>

- Dispatch Order Phase (SR0610+)
- 
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### 5.1.3.2 GID-2672119 SUB-REPORT ELEMENTS (SR0610.5.1)

- Instruction table panel and/or instruction link panel  
(only if an instruction table and/or instruction link is defined for the phase)
- There are no phase-specific sub-report elements.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

## 5.2 Business Logic (SR0610.2+)

The phase implements the following business logic.

### 5.2.1 GID-2670121 Initialize phase (SR0610.2.1)

- Function: Initializing the phase
- Trigger: Phase becomes active
- Postcondition: Phase displays pre-defined work centers or corresponding message

Step	#	Description
Phase activation	10	Phase displays its user interface according to the <b>Active mode (SR0610.1.2)</b> layout ( <a href="#">GID-2672113</a> ).
	20	Phase verifies the order defined by the <b>Order (SR0610.8.2)</b> process parameter ( <a href="#">GID-2672125</a> ). <ul style="list-style-type: none"> <li>▪ If the order does not exist, phase displays the <b>Unknown order (SR0610.3.6.1)</b> error message (<a href="#">GID-2670132</a>).</li> <li>▪ If the order exists, but is not in the <b>Exploded</b> status, phase displays the <b>Invalid order status (SR0610.3.6.2)</b> error message (<a href="#">GID-2670133</a>).</li> </ul>
	30	If all checks are passed successfully, phase updates the display depending on the work centers assigned to the exploded order step. The work centers have been defined in the master recipe; see also <b>Active mode (SR0610.1.2)</b> layout ( <a href="#">GID-2672113</a> ).

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
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Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### 5.2.2 *GID-2670122 Toggle work center selection (SR0610.2.5)*

- Function: Toggling the selection of a work center for dispatching
- Trigger: Operator taps a work center button
- Postcondition: Work center is selected or unselected

Step	#	Description
Operator taps work center button	10	Phase marks the affected work center as selected or unselected, respectively, in the <b>Active mode (SR0610.1.2)</b> layout ( <a href="#">GID-2672113</a> ). The underline marker remains unchanged.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### 5.2.3 *GID-2670123 Select all work centers (SR0610.2.2)*

- Function: Selecting all work centers for dispatching
- Trigger: Operator taps **Select all** button
- Postcondition: All work centers are selected

Step	#	Description
Operator taps <b>Select all</b> button	10	Phase marks all work centers as selected in the <b>Active mode (SR0610.1.2)</b> layout ( <a href="#">GID-2672113</a> ).

- Dispatch Order Phase (SR0610+)
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Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 5.2.4 *GID-2670124 Unselect all work centers (SR0610.2.3)*

- Function: Unselecting all work centers for dispatching
- Trigger: Operator taps **Unselect all** button
- Postcondition: All work centers are unselected

Step	#	Description
Operator taps <b>Unselect all</b> button	10	Phase marks all work centers as unselected in the <b>Active mode (SR0610.1.2)</b> layout ( <a href="#">GID-2672113</a> ).

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 5.2.5 *GID-2670125 Confirm phase (SR0610.2.4)*

- Function: Completion of phase
- Trigger: Operator confirms phase
- Postcondition: Phase is completed

Step	#	Description
Operator confirms phase	10	If the master recipe of the selected order limits the work centers for dispatching, phase checks that at least one work center is selected. Otherwise continue with step 20.
	10.1	If the check is violated, phase displays the <b>No work center selected (SR0610.3.6.3)</b> error message ( <a href="#">GID-2670134</a> ).

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- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
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Step	#	Description
	10.2	If the check is not violated, phase updates the list of assigned work centers on order level.
Phase completion	20	The order is changed according to the work center selection, i.e. either the order is dispatched to all selected work centers in case the master recipe of the selected order limits the work centers for dispatching or it is dispatched to all work centers.  Phase is completed.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

## 5.3 Process Parameters (SR0610.8+)

The following process parameters define the behavior of the phase.

### 5.3.1 *Instruction Table-specific Parameters*

#### 5.3.1.1 INSTRUCTION TABLE DEFINITION (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Table layout	Choice list	Defines the layout of the instruction table holding the instruction texts. Available settings: <b>1 column</b> , <b>2 columns</b> , <b>3 columns</b> , <b>4 columns</b> , <b>5 columns</b> . Default setting: <b>1 column</b> .
First column narrow	Boolean	Defines if the first column of the table shall be narrow.
Show all borders	Boolean	Defines if the borders of the table shall be visible.

### 5.3.1.2 INSTRUCTION TABLE TEXT (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Column 1	HTML text	Instruction text to be displayed in a column. <b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).
Column 2	HTML text	
Column 3	HTML text	
Column 4	HTML text	
Column 5	HTML text	

### 5.3.2 Instruction Link-specific Parameters

#### 5.3.2.1 INSTRUCTION TEXT WITH LINKS (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Instruction text	HTML text	<p>Instruction text to be displayed.</p> <p>For any text enclosed in curly brackets you can define a hyperlink with the <b>Instruction link definition</b> process parameter (<a href="#">GID-2672123</a>).</p> <p>Example: Refer to {SOP1270} for guidance.</p> <p>Maximum length is 2000 characters (including HTML tags).</p>

#### 5.3.2.2 INSTRUCTION LINK DEFINITION (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Link text	Text	<p>Text to be used as link.</p> <p>For any text enclosed in curly brackets within the instruction text you can define a link with the <b>Link URL</b> attribute.</p> <p>Including the brackets in the link text is optional.</p> <p>Maximum length is 80 characters.</p>
Link URL	Text	<p>URL of the file to be displayed. The link opens the external application assigned to the file type by the operating system.</p> <p>Maximum length is 256 characters.</p>

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
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### 5.3.3 Basic Parameters

#### 5.3.3.1 GID-2672124 INSTRUCTION (SR0610.8.1)

Attribute	Type	Comment
Column 1	HTML text	Instruction text to be displayed. <b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).
Column 2	HTML text	Not used.
Column 3	HTML text	

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 5.3.3.2 GID-2672125 ORDER (SR0610.8.2)

Attribute	Type	Comment
Identifier	String	Reference to the output of a preceding <b>Define order (SR0600+)</b> phase ( <a href="#">GID-2668119</a> ) that provides an order to define the shop floor-defined order context.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

## 5.4 Exceptions (SR0610.3+)

The phase supports user-defined, user-triggered ([GID-2670130](#)), system-triggered ([GID-2668119](#)), and post-completion exceptions ([GID-2670131](#)) and their configuration by means of process parameters ([GID-2668641](#))

User-defined exceptions cannot be configured by process parameters since they are provided by the framework and independent of phases.

#### **5.4.1 System-triggered Exceptions**

There are no system-triggered exceptions available.

#### **5.4.2 User-triggered Exceptions**

There are no user-triggered exceptions available.

#### **5.4.3 Post-completion Exceptions**

There are no post-completion exceptions available.

### **5.5 Information Messages**

There are no information messages available.

### **5.6 Questions**

There are no questions available.

### **5.7 Decisions**

There are no decisions available.

### **5.8 Error Messages (SR0610.3.6+)**

Error messages are represented in an error message dialog containing a message type-specific icon, the error message, and an **OK** button.

The following error messages are available to inform the operator about error conditions.

#### **5.8.1 GID-2670132 Unknown order (SR0610.3.6.1)**

UI text	Comment
Cannot start the phase, since the order is unknown.	Message pack: PhaseWDDispatchOrd<version> Message ID: OrderUnknown_ErrorMsg  Potential error cause: The used order ID is not available in the system.

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
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Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 5.8.2 *GID-2670133 Invalid order status (SR0610.3.6.2)*

UI text	Comment
Cannot start the phase, since the status of the order is not Exploded.	Message pack: PhaseWDDispatchOrd<version> Message ID: OrderInvalidStatus_ErrorMsg  Potential error cause: At phase activation, the order is not in the <b>Exploded</b> status.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 5.8.3 *GID-2670134 No work center selected (SR0610.3.6.3)*

UI text	Comment
Cannot confirm, since you have not selected a work center.	Message pack: PhaseWDDispatchOrd<version> Message ID: WorkCenterRequired_ErrorMsg

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Medium
MES-Compliance: 21 CFR Part 11 relevance	No

## 5.9 Output Variables (SR0610.9+)

The following output variables are available to reference the phase's output.

### 5.9.1 *Instance count (Framework capability)*

- Data type: Long
- Usage: The output variable provides the count of the number of instances the phase has been processed, for example in a loop. The count is also increased when the phase is skipped from an operator's perspective, since the phase is still executed, but as a hidden phase.

The count variable of a phase that has not been executed provides 0 as output value.

### 5.9.2 *Start time (Framework capability)*

- Data type: Timestamp
- Usage: The output variable provides the start time of the phase.

### 5.9.3 *Completion time (Framework capability)*

- Data type: Timestamp
- Usage: The output variable provides the completion time of the phase.

### 5.9.4 *Identifier (Framework capability)*

- Data type: String
- Usage: The output variable provides the identifier of the phase.

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- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
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## 6 Release Order Phase (SR0615+)

The **Release order** phase (D Release Order) allows an operator to change the order's status to **Released** and thereby make it available for processing.

An example use case is:

- Release an order for cost center-related weighing, thus making it available for order execution with the Production Execution Client.

Only the default sub-report elements are available for documentation purposes in the sub-report ([GID-2670141](#)).

Anomalies that occur during processing are covered by the phase exception handling ([GID-2668651](#)) (e.g. adding a user-defined exception).

After completion the phase displays the identifier of the released order in the Execution Window and in the Navigator.

Release the order to processing.

Release the order: SFD000000006

Confirm


*Figure 9 Release order during execution*

### 6.1 Layout

The phase provides individual layouts for its representation during execution ([GID-2670139](#)), in the Navigator ([GID-2670140](#)), and in the sub-report ([GID-2670141](#)).

#### 6.1.1 Representation during Execution (SR0615.1+)

The representation during execution depends on the phase mode.

##### 6.1.1.1 GID-2672126 PREVIEW MODE (SR0615.1.1)

1. <Instruction text>  
(taken from **Instruction (SR0615.8.1)** process parameter ([GID-2672138](#)))
2. Release the order:
3. **Confirm** button (disabled).

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Medium
MES-Compliance: 21 CFR Part 11 relevance	No

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
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#### 6.1.1.2 GID-2672127 ACTIVE MODE (SR0615.1.2)

1. Instruction table panel and/or instruction link panel  
(only if an instruction table and/or instruction link is defined for the phase)
2. <Instruction text>  
(taken from **Instruction (SR0615.8.1)** process parameter ([GID-2672138](#)))
3. Release the order: <order identifier>  
(taken from **Order (SR0615.8.2)** process parameter ([GID-2672139](#)))
4. **Confirm** button.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 6.1.1.3 GID-2672128 COMPLETED MODE (SR0615.1.3)

1. Instruction table panel and/or instruction link panel  
(only if an instruction table and/or instruction link is defined for the phase)
2. <Instruction text>  
(taken from **Instruction (SR0615.8.1)** process parameter ([GID-2672138](#)))
3. Release the order: <order identifier>  
(taken from **Order (SR0615.8.2)** process parameter ([GID-2672139](#)))
4. **Confirm** button (completed).

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 6.1.2 Representation in Navigator (SR0615.4+)

The Navigator provides the following details:

##### 6.1.2.1 PHASE COLUMN (FRAMEWORK CAPABILITY)

- <Phase name>

- Release Order Phase (SR0615+)
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- Example:  
Cost center Release

#### **6.1.2.2 GID-2672130 INFORMATION COLUMN (SR0615.4.1)**

- <Identifier of order>
  - Example: CC1234

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	Low
MES-Compliance: 21 CFR Part 11 relevance	No

#### **6.1.2.3 ACTION COLUMN**

- There are no actions available.

#### **6.1.3 Representation in Sub-report (SR0615.5+)**

The sub-report contains the following information:

##### **6.1.3.1 COMMON SUB-REPORT ELEMENTS (FRAMEWORK CAPABILITY)**

- <Start time>
- <Completion time>
- <Unit procedure> / <operation> / <phase>
- <Work center> / <station> / <device> - <phase completion user>

##### **6.1.3.2 GID-2672133 SUB-REPORT ELEMENTS (SR0615.5.1)**

- Instruction table panel and/or instruction link panel  
(only if an instruction table and/or instruction link is defined for the phase)
- There are no phase-specific sub-report elements.

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
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Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

## 6.2 Business Logic (SR0615.2+)

The phase implements the following business logic.

### 6.2.1 *GID-2670142 Initialize phase (SR0615.2.1)*

- Function: Initializing the phase
- Trigger: Phase becomes active
- Postcondition: Phase is active

Step	#	Description
Phase activation	10	<p>Phase verifies the order defined by the <b>Order (SR0615.8.2)</b> process parameter (<a href="#">GID-2672139</a>).</p> <ul style="list-style-type: none"> <li>▪ If the order does not exist, phase displays the <b>Unknown order (SR0615.3.6.1)</b> error message (<a href="#">GID-2670150</a>).</li> <li>▪ If the order exists, but is not in the <b>Exploded</b> status, phase displays the <b>Invalid order status (SR0615.3.6.2)</b> error message (<a href="#">GID-2670151</a>).</li> </ul>
	20	Phase displays its user interface according to the <b>Active mode (SR0615.1.2)</b> layout ( <a href="#">GID-2672127</a> ).

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### 6.2.2 *GID-2670143 Confirm phase (SR0615.2.2)*

- Function: Completion of phase
- Trigger: Operator confirms phase
- Postcondition: Phase is completed. Order is in the **Release** status.

- Release Order Phase (SR0615+)
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Step	#	Description
Operator confirms phase	10	Phase is completed. If the order cannot be release due to a technical error, phase displays the <b>Order release failed (SR0615.3.6.3)</b> error message ( <a href="#">GID-2670152</a> ).

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

## 6.3 Process Parameters (SR0615.8+)

The following process parameters define the behavior of the phase.

### 6.3.1 *Instruction Table-specific Parameters*

#### 6.3.1.1 INSTRUCTION TABLE DEFINITION (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Table layout	Choice list	Defines the layout of the instruction table holding the instruction texts. Available settings: <b>1 column, 2 columns, 3 columns, 4 columns, 5 columns</b> . Default setting: <b>1 column</b> .
First column narrow	Boolean	Defines if the first column of the table shall be narrow.
Show all borders	Boolean	Defines if the borders of the table shall be visible.

#### 6.3.1.2 INSTRUCTION TABLE TEXT (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Column 1	HTML text	Instruction text to be displayed in a column.
Column 2	HTML text	<b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).
Column 3	HTML text	

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- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
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Attribute	Type	Comment
Column 4	HTML text	
Column 5	HTML text	

### 6.3.2 *Instruction Link-specific Parameters*

#### 6.3.2.1 INSTRUCTION TEXT WITH LINKS (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Instruction text	HTML text	<p>Instruction text to be displayed.</p> <p>For any text enclosed in curly brackets you can define a hyperlink with the <b>Instruction link definition</b> process parameter (<a href="#">GID-2672137</a>).</p> <p>Example: Refer to {SOP1270} for guidance.</p> <p>Maximum length is 2000 characters (including HTML tags).</p>

#### 6.3.2.2 INSTRUCTION LINK DEFINITION (FRAMEWORK CAPABILITY)

Attribute	Type	Comment
Link text	Text	<p>Text to be used as link.</p> <p>For any text enclosed in curly brackets within the instruction text you can define a link with the <b>Link URL</b> attribute.</p> <p>Including the brackets in the link text is optional.</p> <p>Maximum length is 80 characters.</p>
Link URL	Text	<p>URL of the file to be displayed. The link opens the external application assigned to the file type by the operating system.</p> <p>Maximum length is 256 characters.</p>

- Release Order Phase (SR0615+)
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### 6.3.3 Basic Parameters

#### 6.3.3.1 GID-2672138 INSTRUCTION (SR0615.8.1)

Attribute	Type	Comment
Column 1	HTML text	Instruction text to be displayed. <b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).
Column 2	HTML text	Not used.
Column 3	HTML text	

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 6.3.3.2 GID-2672139 ORDER (SR0615.8.2)

Attribute	Type	Comment
Identifier	String	Reference to the output of a preceding <b>Define order (SR0600+)</b> phase ( <a href="#">GID-2668119</a> ) that provides an order to define the shop floor-defined order context.

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

### 6.4 Exceptions (SR0615.3+)

The phase supports user-defined, user-triggered ([GID-2670148](#)), system-triggered ([GID-2670147](#)), and post-completion exceptions ([GID-2670149](#)) and their configuration by means of process parameters ([GID-2668650](#)).

- 
- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
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User-defined exceptions cannot be configured by process parameters since they are provided by the framework and independent of phases.

#### **6.4.1 System-triggered Exceptions**

There are no system-triggered exceptions available.

#### **6.4.2 User-triggered Exceptions**

There are no user-triggered exceptions available.

#### **6.4.3 Post-completion Exceptions**

There are no post-completion exceptions available.

### **6.5 Information Messages**

There are no information messages available.

### **6.6 Questions**

There are no questions available.

### **6.7 Decisions**

There are no decisions available.

### **6.8 Error Messages (SR0615.3.6+)**

Error messages are represented in an error message dialog containing a message type-specific icon, the error message, and an **OK** button.

They are composed of up to two levels:

1. header and
2. details (not always used).

The following error messages are available to inform the operator about error conditions.

#### **6.8.1 GID-2670150 Unknown order (SR0615.3.6.1)**

UI text	Comment
Cannot start the phase, since the order is unknown.	Message pack: PhaseWDReleaseOrder<version> Message ID: OrderUnknown_ErrorMsg  Potential error cause: The used order ID is not available in the system.

- Release Order Phase (SR0615+)
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Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 6.8.2 *GID-2670151 Invalid order status (SR0615.3.6.2)*

UI text	Comment
Cannot start the phase, since the status of the order is not Exploded.	<p>Message pack: PhaseWDReleaseOrder&lt;version&gt;  Message ID: OrderInvalidStatus_ErrorMsg</p> <p>Potential error cause: At phase activation, the order is not in the <b>Exploded</b> status.</p>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

#### 6.8.3 *GID-2670152 Order release failed (SR0615.3.6.3)*

UI text	Comment
<ul style="list-style-type: none"> <li>▪ Cannot release the order.</li> <li>▪ &lt;System error message&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDReleaseOrder&lt;version&gt;  Message ID: OrderReleaseFailed_ErrorMsg</li> <li>▪ &lt;System error message&gt;</li> </ul> <p>Potential error cause: Order release failed due to an internal error.</p>

Attribute	Value
MES-Business: GxP relevance	Yes
MES-Business: Business Impact	High
MES-Compliance: 21 CFR Part 11 relevance	No

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- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
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## 6.9 Output Variables (SR0615.9+)

The following output variables are available to reference the phase's output.

### 6.9.1 *Instance count (Framework capability)*

- Data type: Long
- Usage: The output variable provides the count of the number of instances the phase has been processed, for example in a loop. The count is also increased when the phase is skipped from an operator's perspective, since the phase is still executed, but as a hidden phase.

The count variable of a phase that has not been executed provides 0 as output value.

### 6.9.2 *Start time (Framework capability)*

- Data type: Timestamp
- Usage: The output variable provides the start time of the phase.

### 6.9.3 *Completion time (Framework capability)*

- Data type: Timestamp
- Usage: The output variable provides the completion time of the phase.

### 6.9.4 *Identifier (Framework capability)*

- Data type: String
- Usage: The output variable provides the identifier of the phase.

## 7 Reference Documents

The following documents are available from the Rockwell Automation Download Site.

No.	Document Title	Part Number
A1	FT PharmaSuite Functional Requirement Specification Execution Framework	PSFRSEF-RM007A-EN-E
A2	FT PharmaSuite Technical Guide Phases of the Dispense Package	PSDI-PM008A-EN-E
A3	FT PharmaSuite Technical Guide Configuration & Extension - Volume 3	PSCEV3-GR011A-EN-E

**TIP**

To access the Rockwell Automation Download Site, you need to acquire a user account from Rockwell Automation Sales or Support.

- 
- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
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## 8 Document Information

The document information covers various data related to the document.

### 8.1 Approval

This document has been approved electronically via the Rockwell Automation Document Management System (DMS). The required approvers of this document include the following:

Name	Role
Norbert Ern	Product Owner
Wolfgang Schmitt	Technical Lead
Ignaz Wangler	Test Lead

### 8.2 Version Information

Object	Version
FT PharmaSuite	11.00.00
D Define Order	11.0
D Edit BOM	11.0
D Dispatch Order	11.0
D Release Order	11.0
Functional Requirement Specification	1.1

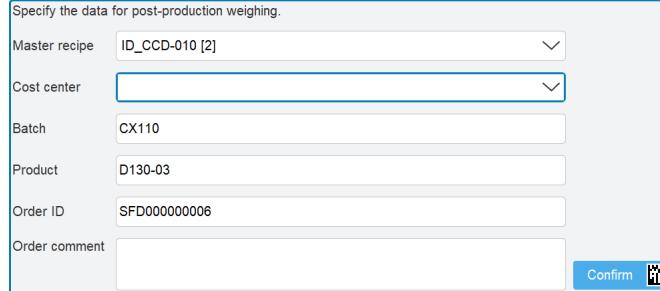
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## Appendix A - Revision History

### Updated Requirements

#### FTPS\_Phases-FLD-1490 Define Order Phase (SR0600+)

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
Name	Define Order Phase (SR0600+)	Define Order Phase (SR0600+)
Description	<p>The <b>Define order</b> phase (D Define Order) allows an operator to create an order based on a pre-defined master recipe.</p> <p>An example use case is:</p> <ul style="list-style-type: none"><li>• Create an order for cost center-related weighing.</li></ul> <p>The order-specific data is stored in the batch record, thereby becoming available for documentation purposes in the sub-report and batch report (<a href="#">GID-2670059</a>).</p> <p>Anomalies that occur during processing are covered by the phase exception handling (<a href="#">GID-2668624</a>) (e.g. adding a user-defined exception).</p>	<p>The <b>Define order</b> phase (D Define Order) allows an operator to create an order based on a pre-defined master recipe.</p> <p>An example use case is:</p> <ul style="list-style-type: none"><li>• Create an order for cost center-related weighing.</li></ul> <p>The order-specific data is stored in the batch record, thereby becoming available for documentation purposes in the sub-report and batch report (<a href="#">GID-2670059</a>).</p> <p>Anomalies that occur during processing are covered by the phase exception handling (<a href="#">GID-2668624</a>) (e.g. adding a user-defined exception).</p>

	<b>Workflow 10.02.00 final</b>	<b>FTPS 11.00.00 WF V1.1</b>
	<p>After completion the phase displays the identifiers of the master recipe, order, batch, and product and the selected cost center in the Execution Window.</p> <p>The Navigator displays the identifier of the order.</p> 	<p>After completion the phase displays the identifiers of the master recipe, order, batch, and product and the selected cost center in the Execution Window.</p> <p>The Navigator displays the identifier of the order.</p> 
<b>Version Details</b>		
<p><b>Version:</b> v7 - Jun 1, 2022</p> <p><b>Change Details:</b> "Send to Implementation" changed from "No" to "qTest Only"</p> <p><b>User Comment:</b></p>		
<p><b>Version:</b> v8 - Jun 10, 2022</p> <p><b>Change Details:</b> "qTest Folder ID" changed from "" to "MD-2183"</p>		
<p><b>Version:</b> v9 - Oct 5, 2022</p> <p><b>Change Details:</b> "Folder Text" changed, "Status" changed from "Approved" to "In Progress"</p>		

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<p><b>Version:</b> v10 - Oct 5, 2022</p> <p><b>Change Details:</b> "Folder Text" changed</p> <p><b>Version:</b> v11 - Oct 31, 2022</p> <p><b>Change Details:</b> "Status" changed from "In Progress" to "Approved"</p> <p><b>User Comment:</b></p>		

#### [FTPS\\_Phases-TXT-1204](#) Instruction table definition (Framework capability)

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1		
Name	Instruction table definition (Framework capability)			Instruction table definition (Framework capability)		
Description	Attribute	Type	Comment	Attribute	Type	Comment
	Table layout	Choice list	<p>Defines the layout of the instruction table holding the instruction texts.</p> <p>Available settings: 1 column, 2 columns, 3 columns, 4 columns, 5 columns.</p> <p>Default setting: 1 column.</p>	Table layout	Choice list	<p>Defines the layout of the instruction table holding the instruction texts.</p> <p>Available settings: 1 column, 2 columns, 3 columns, 4 columns, 5 columns.</p> <p>Default setting: 1 column.</p>

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1			
	First column narrow	Boolean	Defines if the first column of the table shall be narrow.		First column narrow	Boolean	Defines if the first column of the table shall be narrow.
	Show all borders	Boolean	Defines if the borders of the table shall be visible.		Show all borders	Boolean	Defines if the borders of the table shall be visible.
Version Details							
<b>Version:</b> v5 - Aug 7, 2022 <b>Change Details:</b> "Name" changed from "Instruction table definition (Framework capability)" to "Instruction table definition ()" <b>User Comment:</b> Update from Excel import. <b>Version:</b> v6 - Oct 31, 2022 <b>Change Details:</b> "Name" changed from "Instruction table definition ()" to "Instruction table definition (Framework capability)", "Text" changed							

#### FTPS\_Phases-TXT-1205 Instruction table text (Framework capability)

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
Name	Instruction table text (Framework capability)	Instruction table text (Framework capability)

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1			
Description	Attribute	Type	Comment		Attribute	Type	Comment
	Column 1	HTML text	Instruction text to be displayed in a column. <b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).		Column 1	HTML text	Instruction text to be displayed in a column.
	Column 2	HTML text			Column 2	HTML text	<b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).
	Column 3	HTML text			Column 3	HTML text	
	Column 4	HTML text			Column 4	HTML text	
	Column 5	HTML text			Column 5	HTML text	
Version Details							
<b>Version:</b> v5 - Aug 7, 2022							
<b>Change Details:</b> "Name" changed from "Instruction table text (Framework capability)" to "Instruction table text ()"							
<b>User Comment:</b> Update from Excel import.							
<b>Version:</b> v6 - Oct 31, 2022							
<b>Change Details:</b> "Name" changed from "Instruction table text ()" to "Instruction table text (Framework capability)", "Text" changed							

#### FTPS\_Phases-TXT-1207 Instruction link definition (Framework capability)

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
Name	Instruction link definition (Framework capability)	Instruction link definition (Framework capability)

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1		
Description	Attribute	Type	Comment	Attribute	Type	Comment
	Link text	Text	<p>Text to be used as link. For any text enclosed in curly brackets within the instruction text you can define a link with the <b>Link URL</b> attribute. Including the brackets in the link text is optional.</p> <p>Maximum length is 80 characters.</p>	Link text	Text	<p>Text to be used as link. For any text enclosed in curly brackets within the instruction text you can define a link with the <b>Link URL</b> attribute. Including the brackets in the link text is optional.</p> <p>Maximum length is 80 characters.</p>
	Link URL	Text	<p>URL of the file to be displayed. The link opens the external application assigned to the file type by the operating system.</p> <p>Maximum length is 256 characters.</p>	Link URL	Text	<p>URL of the file to be displayed. The link opens the external application assigned to the file type by the operating system.</p> <p>Maximum length is 256 characters.</p>
<b>Version Details</b>						
<b>Version:</b> v5 - Aug 7, 2022 <b>Change Details:</b> "Name" changed from "Instruction link definition (Framework capability)" to "Instruction link definition ()"						

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	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v6 - Nov 2, 2022</p> <p><b>Change Details:</b> "Name" changed from "Instruction link definition ()" to "Instruction link definition (Framework capability)", "Text" changed</p>	

#### FTPS\_Phases-FR-2246 Product does not exist (SR0600.3.6.12)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Name	Product does not exist (SR0600.3.6.12)		Product does not exist (SR0600.3.6.12)	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>) Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)</li> </ul>	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>) Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)</li> </ul>
	<ul style="list-style-type: none"> <li>&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_NonExistentPart_Error</li> </ul>	<ul style="list-style-type: none"> <li>▪ Defined product does not exist.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_NonExistentPart_Error</li> </ul>

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<ul style="list-style-type: none"><li>▪ Defined product does not exist.</li></ul>	
<b>Version Details</b>		
<b>Version:</b> v7 - Jun 1, 2022		
<b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest"		
<b>User Comment:</b>		
<b>Version:</b> v8 - Jun 10, 2022		
<b>Change Details:</b> "qTest URL" changed from "" to " <a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758948">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758948</a> "		
<b>Version:</b> v9 - Jun 13, 2022		
<b>Change Details:</b> "Jira URL" changed from "" to " <a href="https://rockwellautomation.atlassian.net/browse/CVBLSSFTPS-30169">https://rockwellautomation.atlassian.net/browse/CVBLSSFTPS-30169</a> ", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"		
<b>Version:</b> v10 - Aug 2, 2022		
<b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "Yes"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v11 - Aug 8, 2022		
<b>Change Details:</b> "Name" changed from "Product does not exist (SR0600.3.6.12)" to "D_DeO - Product does not exist"		
<b>User Comment:</b> Update from Excel import.		

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<b>Version:</b> v12 - Aug 8, 2022	<p><b>Change Details:</b> "Name" changed from "D_DeO - Product does not exist" to "Product does not exist (SR0600.3.6.12)"</p> <p><b>User Comment:</b> Update from Excel import.</p>	
<b>Version:</b> v13 - Nov 30, 2022	<p><b>Change Details:</b> "Requirement Text" changed</p>	

#### FTPS\_Phases-FR-2248 Batch identifier already used (SR0600.3.6.4)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Name	Batch identifier already used (SR0600.3.6.4)		Batch identifier already used (SR0600.3.6.4)	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>) Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>) Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)</li> </ul>

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<ul style="list-style-type: none"><li>▪ Batch is already in use with another order.</li></ul> <p>on&gt; Message ID: defineOrder_BatchInUse_Error</p>	
<b>Version Details</b>		
<b>Version:</b> v7 - Jun 1, 2022		
<b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest"		
<b>User Comment:</b>		
<b>Version:</b> v8 - Jun 10, 2022		
<b>Change Details:</b> "qTest URL" changed from "" to " <a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758945">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758945</a> "		
<b>Version:</b> v9 - Jun 13, 2022		
<b>Change Details:</b> "Jira URL" changed from "" to " <a href="https://rockwellautomation.atlassian.net/browse/CVBLSSFTPS-30166">https://rockwellautomation.atlassian.net/browse/CVBLSSFTPS-30166</a> ", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"		
<b>Version:</b> v10 - Aug 2, 2022		
<b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "Yes"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v11 - Aug 8, 2022		
<b>Change Details:</b> "Name" changed from "Batch identifier already used (SR0600.3.6.4)" to "D_DeO - Batch identifier already used "		
<b>User Comment:</b> Update from Excel import.		

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<b>Version:</b> v12 - Aug 8, 2022		
	<p><b>Change Details:</b> "Name" changed from "D_DeO - Batch identifier already used " to "Batch identifier already used (SR0600.3.6.4)"</p> <p><b>User Comment:</b> Update from Excel import.</p>	
<b>Version:</b> v13 - Dec 1, 2022		<p><b>Change Details:</b> "Requirement Text" changed</p>

#### FTPS\_Phases-FR-2249 Batch material does not match product (SR0600.3.6.5)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Name	Batch material does not match product (SR0600.3.6.5)		Batch material does not match product (SR0600.3.6.5)	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)</li> <li>Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)</li> <li>Message ID: See <b>Error message grouping (SR0600.3.6.9)</b> error message (<a href="#">GID-2672095</a>)</li> </ul>
	>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_BatchPartVsPart_Error</li> </ul>		<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_BatchPartVsPart_Error</li> </ul>

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
	<ul style="list-style-type: none"> <li>▪ Batch and product material are not identical.</li> </ul>	defineOrder_BatchPartVsPart Error  Potential error cause: Batch-related material is not identical with product material.		Potential error cause: Batch-related material is not identical with product material.
<b>Version Details</b>				
<b>Version:</b> v7 - Jun 1, 2022				
<b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest" <b>User Comment:</b>				
<b>Version:</b> v8 - Jun 10, 2022				
<b>Change Details:</b> "qTest URL" changed from "" to <a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758944">"https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758944"</a>				
<b>Version:</b> v9 - Jun 13, 2022				
<b>Change Details:</b> "Jira URL" changed from "" to " <a href="https://rockwellautomation.atlassian.net/browse/CVBLSTS-30165">https://rockwellautomation.atlassian.net/browse/CVBLSTS-30165</a> ", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"				
<b>Version:</b> v10 - Aug 2, 2022				
<b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "Yes" <b>User Comment:</b> Update from Excel import.				
<b>Version:</b> v11 - Aug 8, 2022				

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<p><b>Change Details:</b> "Name" changed from "Batch material does not match product (SR0600.3.6.5)" to "D_DeO - Batch material does not match product"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v12 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "D_DeO - Batch material does not match product" to "Batch material does not match product (SR0600.3.6.5)"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v13 - Dec 1, 2022</p> <p><b>Change Details:</b> "Requirement Text" changed</p>	

#### [FTPS\\_Phases-FR-2251](#) Error during order explosion (SR0600.3.6.8)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Name	Error during order explosion (SR0600.3.6.8)		Error during order explosion (SR0600.3.6.8)	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>▪ Cannot explode the order.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_ExceptionOnDefineOrder_Category</li> </ul>	<ul style="list-style-type: none"> <li>▪ Cannot explode the order.</li> <li>▪ &lt;System error</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_ExceptionOnDefineOrder_Category</li> <li>▪ &lt;System error message&gt;</li> </ul>

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
	<ul style="list-style-type: none"> <li>▪ &lt;System error message&gt;</li> <li>▪ &lt;System error message&gt; Potential error cause: Order explosion failed due to an internal error.</li> </ul>		<ul style="list-style-type: none"> <li>message&gt;</li> </ul>	Potential error cause: Order explosion failed due to an internal error.
<b>Version Details</b>				
<b>Version:</b> v6 - Jun 1, 2022				
<b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest"				
<b>User Comment:</b>				
<b>Version:</b> v7 - Jun 10, 2022				
<b>Change Details:</b> "qTest URL" changed from "" to "https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&object=5&id=19758942"				
<b>Version:</b> v8 - Jun 13, 2022				
<b>Change Details:</b> "Jira URL" changed from "" to "https://rockwellautomation.atlassian.net/browse/CVBL-SFTPS-30163", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"				
<b>Version:</b> v9 - Aug 2, 2022				
<b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "Yes"				
<b>User Comment:</b> Update from Excel import.				
<b>Version:</b> v10 - Aug 8, 2022				
<b>Change Details:</b> "Name" changed from "Error during order explosion (SR0600.3.6.8)" to "D_DeO - Error during order explosion"				
<b>User Comment:</b> Update from Excel import.				

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<b>Version:</b> v11 - Aug 8, 2022		
<p><b>Change Details:</b> "Name" changed from "D_DeO - Error during order explosion" to "Error during order explosion (SR0600.3.6.8)"</p> <p><b>User Comment:</b> Update from Excel import.</p>		
<b>Version:</b> v12 - Dec 1, 2022		
<p><b>Change Details:</b> "Requirement Text" changed</p>		

#### FTPS\_Phases-FR-2252 Error message grouping (SR0600.3.6.9)

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<b>Name</b>	Error message grouping (SR0600.3.6.9)	Error message grouping (SR0600.3.6.9)
<b>Description</b>	<p>If several errors occur during the execution of the <b>Confirm</b> action, the error messages are combined and displayed in a single error dialog. The two error levels specified in the <b>Error Messages (SR0600.3.6+)</b> description (<a href="#">GID-2668628</a>) are used as follows.</p> <p>The combined error message consists of:</p> <ol style="list-style-type: none"> <li>1. One header message and</li> <li>&gt;</li> <li>1. one or more detail messages.</li> </ol>	<p>If several errors occur during the execution of the <b>Confirm</b> action, the error messages are combined and displayed in a single error dialog. The two error levels specified in the <b>Error Messages (SR0600.3.6+)</b> description (<a href="#">GID-2668628</a>) are used as follows.</p> <p>The combined error message consists of:</p> <ol style="list-style-type: none"> <li>1. One header message and</li> <li>2. one or more detail messages.</li> </ol>

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
	UI text	Comment		
	<ul style="list-style-type: none"> <li>▪ Cannot create the order, since some data has not been defined correctly.</li> <li>▪ &lt;List of detail messages&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDDefineOrder&lt;version&gt; Message ID: defineOrder_SomeDataNotDefined_Cat egory  &gt;</li> <li>▪ Error message detail as defined for each individual error message above.  Potential error cause: If several errors related to the execution of the <b>Confirm</b> button exist, the displayed error message contains all error details that apply.  The following error messages are subject to message grouping:</li> <li>▪ No master recipe selected (SR0600.3.6.1) (<a href="#">GID-2672086</a>)</li> <li>▪ No cost center selected (SR0600.3.6.2) (<a href="#">GID-2672087</a>)</li> <li>▪ No product defined (SR0600.3.6.3) (<a href="#">GID-2672088</a>)</li> <li>▪ Batch identifier already used (SR0600.3.6.4) (<a href="#">GID-2672091</a>)</li> </ul>	<p>the order, since some data has not been defined correctly</p> <ul style="list-style-type: none"> <li>▪ &lt;List of detail messages&gt;</li> </ul>	<p>Message ID: defineOrder_SomeDataNotDefined_Cat egory</p> <ul style="list-style-type: none"> <li>▪ Error message detail as defined for each individual error message above.</li> </ul> <p>Potential error cause: If several errors related to the execution of the <b>Confirm</b> button exist, the displayed error message contains all error details that apply.</p> <p>The following error messages are subject to message grouping:</p> <ul style="list-style-type: none"> <li>▪ No master recipe selected (SR0600.3.6.1) (<a href="#">GID-2672086</a>)</li> <li>▪ No cost center selected (SR0600.3.6.2) (<a href="#">GID-2672087</a>)</li> <li>▪ No product defined (SR0600.3.6.3) (<a href="#">GID-2672088</a>)</li> <li>▪ Batch identifier already used (SR0600.3.6.4) (<a href="#">GID-2672091</a>)</li> <li>▪ Batch material does not match product (SR0600.3.6.5) (<a href="#">GID-2672092</a>)</li> <li>▪ Duplicate order number not allowed (SR0600.3.6.6) (<a href="#">GID-2672093</a>)</li> <li>▪ No valid version of defined master recipe available (SR0600.3.6.7) (<a href="#">GID-2672085</a>)</li> </ul>

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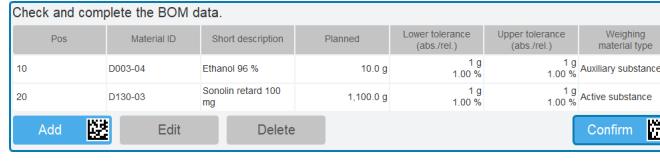
	<b>Workflow 10.02.00 final</b>	<b>FTPS 11.00.00 WF V1.1</b>
	<ul style="list-style-type: none"> <li>▪ Batch material does not match product (SR0600.3.6.5) (<a href="#">GID-2672092</a>)</li> <li>▪ Duplicate order number not allowed (SR0600.3.6.6) (<a href="#">GID-2672093</a>)</li> <li>▪ No valid version of defined master recipe available (SR0600.3.6.7) (<a href="#">GID-2672085</a>)</li> <li>▪ Batch cannot be created (SR0600.3.6.10) (<a href="#">GID-2672090</a>)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Batch cannot be created (SR0600.3.6.10) (<a href="#">GID-2672090</a>)</li> </ul>
<b>Version Details</b>		
<b>Version:</b> v8 - Jun 1, 2022 <b>Change Details:</b> "Send to Implementation" changed from "No" to "Both Jira and qTest" <b>User Comment:</b>		
<b>Version:</b> v9 - Jun 10, 2022 <b>Change Details:</b> "qTest URL" changed from "" to "https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&object=5&id=19758941"		
<b>Version:</b> v10 - Jun 13, 2022 <b>Change Details:</b> "Jira URL" changed from "" to "https://rockwellautomation.atlassian.net/browse/CVBLSTSFTPS-30162", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"		
<b>Version:</b> v11 - Aug 2, 2022 <b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "Yes"		

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v12 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "Error message grouping (SR0600.3.6.9)" to "D_DeO - Error message grouping"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v13 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "D_DeO - Error message grouping" to "Error message grouping (SR0600.3.6.9)"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v14 - Dec 1, 2022</p> <p><b>Change Details:</b> "Requirement Text" changed</p>	

#### [FTPS\\_Phases-FLD-1507](#) Edit BOM Phase (SR0605+)

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<b>Name</b>	Edit BOM Phase (SR0605+)	Edit BOM Phase (SR0605+)
<b>Description</b>	<p>The <b>Edit BOM</b> phase (D Edit BOM) allows an operator to manage the BOM items of a shop floor-defined order.</p> <p>An example use case is:</p> <ul style="list-style-type: none"><li>• Define a BOM for a cost center-related weighing order that was previously defined on the shop floor.</li></ul>	<p>The <b>Edit BOM</b> phase (D Edit BOM) allows an operator to manage the BOM items of a shop floor-defined order.</p> <p>An example use case is:</p> <ul style="list-style-type: none"><li>• Define a BOM for a cost center-related weighing order that was previously defined on the shop floor.</li></ul>

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	<b>Workflow 10.02.00 final</b>	<b>FTPS 11.00.00 WF V1.1</b>
	<p>Only the default sub-report elements are available for documentation purposes in the sub-report (<a href="#">GID-2670083</a>).</p> <p>Anomalies that occur during processing are covered by the phase exception handling (<a href="#">GID-2668633</a>)(e.g. adding a user-defined exception).</p> <p>After completion the phase displays the defined BOM items with the following data in the Execution Window:</p> <ul style="list-style-type: none"> <li>• position</li> <li>• material identifier</li> <li>• short description</li> <li>• planned quantity</li> <li>• lower tolerance (abs./rel.)</li> <li>• upper tolerance (abs./rel.),</li> <li>• weighing material type.</li> </ul> <p>The Navigator displays the identifier of the order.</p> 	<p>Only the default sub-report elements are available for documentation purposes in the sub-report (<a href="#">GID-2670083</a>).</p> <p>Anomalies that occur during processing are covered by the phase exception handling (<a href="#">GID-2668633</a>)(e.g. adding a user-defined exception).</p> <p>After completion the phase displays the defined BOM items with the following data in the Execution Window:</p> <ul style="list-style-type: none"> <li>• position</li> <li>• material identifier</li> <li>• short description</li> <li>• planned quantity</li> <li>• lower tolerance (abs./rel.)</li> <li>• upper tolerance (abs./rel.),</li> <li>• weighing material type.</li> </ul> <p>The Navigator displays the identifier of the order.</p> 
<b>Version Details</b>		

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<b>Version:</b> v7 - Jun 1, 2022		
<b>Change Details:</b> "Send to Implementation" changed from "No" to "qTest Only"		
<b>User Comment:</b>		
<b>Version:</b> v8 - Jun 10, 2022		
<b>Change Details:</b> "qTest Folder ID" changed from "" to "MD-2157"		
<b>Version:</b> v9 - Oct 5, 2022		
<b>Change Details:</b> "Folder Text" changed, "Status" changed from "Approved" to "In Progress"		
<b>Version:</b> v10 - Oct 5, 2022		
<b>Change Details:</b> "Folder Text" changed		
<b>Version:</b> v11 - Oct 31, 2022		
<b>Change Details:</b> "Status" changed from "In Progress" to "Approved"		
<b>User Comment:</b>		

#### FTPS\_Phases-TXT-1221 Instruction table definition (Framework capability)

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1			
Name	Instruction table definition (Framework capability)			Instruction table definition (Framework capability)			
Description	Attribute	Type	Comment		Attribute	Type	Comment
	Table layout	Choice list	Defines the layout of the instruction table		Table layout	Choice list	Defines the layout of the instruction table

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1			
			holding the instruction texts. Available settings: 1 column, 2 columns, 3 columns, 4 columns, 5 columns. Default setting: 1 column.			holding the instruction texts. Available settings: 1 column, 2 columns, 3 columns, 4 columns, 5 columns. Default setting: 1 column.	
	First column narrow	Boolean	Defines if the first column of the table shall be narrow.		First column narrow	Boolean	Defines if the first column of the table shall be narrow.
	Show all borders	Boolean	Defines if the borders of the table shall be visible.		Show all borders	Boolean	Defines if the borders of the table shall be visible.
Version Details							
<b>Version:</b> v5 - Aug 7, 2022 <b>Change Details:</b> "Name" changed from "Instruction table definition (Framework capability)" to "Instruction table definition ()" <b>User Comment:</b> Update from Excel import.							
<b>Version:</b> v6 - Oct 31, 2022 <b>Change Details:</b> "Name" changed from "Instruction table definition ()" to "Instruction table definition (Framework capability)", "Text" changed							

### FTPS\_Phases-TXT-1222 Instruction table text (Framework capability)

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1					
Name	Instruction table text (Framework capability)			Instruction table text (Framework capability)					
Description	Attribute	Type	Comment		Attribute	Type	Comment		
	Column 1	HTML text	Instruction text to be displayed in a column. <b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).		Column 1	HTML text	Instruction text to be displayed in a column. <b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).		
	Column 2	HTML text			Column 2	HTML text			
	Column 3	HTML text			Column 3	HTML text			
	Column 4	HTML text			Column 4	HTML text			
	Column 5	HTML text			Column 5	HTML text			
Version Details									
<b>Version:</b> v5 - Aug 7, 2022 <b>Change Details:</b> "Name" changed from "Instruction table text (Framework capability)" to "Instruction table text ()" <b>User Comment:</b> Update from Excel import.									
<b>Version:</b> v6 - Oct 31, 2022 <b>Change Details:</b> "Name" changed from "Instruction table text ()" to "Instruction table text (Framework capability)", "Text" changed									

### [FTPS\\_Phases-TXT-1224](#) Instruction link definition (Framework capability)

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1		
Name	Instruction link definition (Framework capability)			Instruction link definition (Framework capability)		
Description	Attribute	Type	Comment	Attribute	Type	Comment
	Link text	Text	<p>Text to be used as link. For any text enclosed in curly brackets within the instruction text you can define a link with the <b>Link URL</b> attribute. Including the brackets in the link text is optional.</p> <p>Maximum length is 80 characters.</p>	Link text	Text	<p>Text to be used as link. For any text enclosed in curly brackets within the instruction text you can define a link with the <b>Link URL</b> attribute. Including the brackets in the link text is optional.</p> <p>Maximum length is 80 characters.</p>
	Link URL	Text	<p>URL of the file to be displayed. The link opens the external application assigned to the file type by the operating system.</p> <p>Maximum length is 256 characters.</p>	Link URL	Text	<p>URL of the file to be displayed. The link opens the external application assigned to the file type by the operating system.</p> <p>Maximum length is 256 characters.</p>

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
Version Details		
<b>Version:</b> v5 - Aug 7, 2022		
	<p><b>Change Details:</b> "Name" changed from "Instruction link definition (Framework capability)" to "Instruction link definition ()"</p> <p><b>User Comment:</b> Update from Excel import.</p>	
<b>Version:</b> v6 - Nov 2, 2022		<p><b>Change Details:</b> "Name" changed from "Instruction link definition ()" to "Instruction link definition (Framework capability)", "Text" changed</p>

#### FTPS\_Phases-FR-2278 Lower tolerance (rel.) invalid (SR0605.3.6.5)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Name	Lower tolerance (rel.) invalid (SR0605.3.6.5)		Lower tolerance (rel.) invalid (SR0605.3.6.5)	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)</li> <li>▪ Lower tolerance (rel.) must be a positive</li> </ul>

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1	
	<ul style="list-style-type: none"> <li>▪ Lower tolerance (rel.) must be a positive percentage value.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt;</li> </ul> <p>Message ID: LowerToleranceInvalid_ErrorMsg</p>	<p>percentage value.</p> <p>LowerToleranceInvalid_ErrorMsg</p>
<b>Version Details</b>			
<b>Version:</b> v7 - Jun 1, 2022 <b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest" <b>User Comment:</b>			
<b>Version:</b> v8 - Jun 10, 2022 <b>Change Details:</b> "qTest URL" changed from "" to " <a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758912">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758912</a> " <b>User Comment:</b>			
<b>Version:</b> v9 - Jun 13, 2022 <b>Change Details:</b> "Jira URL" changed from "" to " <a href="https://rockwellautomation.atlassian.net/browse/CVBLSTPS-30137">https://rockwellautomation.atlassian.net/browse/CVBLSTPS-30137</a> ", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC" <b>User Comment:</b>			
<b>Version:</b> v10 - Aug 2, 2022 <b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "No" <b>User Comment:</b> Update from Excel import.			

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<b>Version:</b> v11 - Aug 8, 2022		
<b>Change Details:</b> "Name" changed from "Lower tolerance (rel.) invalid (SR0605.3.6.5)" to "D_EdB - Lower tolerance (rel.) invalid"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v12 - Aug 8, 2022		
<b>Change Details:</b> "Name" changed from "D_EdB - Lower tolerance (rel.) invalid" to "Lower tolerance (rel.) invalid (SR0605.3.6.5)", "MES-Compliance: 21 CFR Part 11 relevance" changed from "No" to "Yes"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v13 - Aug 11, 2022		
<b>Change Details:</b> "MES-Compliance: 21 CFR Part 11 relevance" changed from "Yes" to "No"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v14 - Dec 1, 2022		
<b>Change Details:</b> "Requirement Text" changed		

#### FTPS\_Phases-FR-2279 Upper tolerance (rel.) invalid (SR0605.3.6.6)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Name	Upper tolerance (rel.) invalid (SR0605.3.6.6)		Upper tolerance (rel.) invalid (SR0605.3.6.6)	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in Error</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13) error</b></li> </ul>	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in Error message</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13) error</b></li> </ul>

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<p><b>message grouping (SR0605.3.6.13) error message <a href="#">(GID-2670113)</a>&gt;</b></p> <p style="text-align: right;">&gt;</p> <ul style="list-style-type: none"> <li>▪ Upper tolerance (rel.) must be a positive percentage value.</li> </ul>	<p>message <a href="#">(GID-2670113)</a> Message ID: See Error <b>message grouping (SR0605.3.6.13) error message <a href="#">(GID-2670113)</a></b></p> <p style="text-align: center;">&gt;</p> <ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: UpperToleranceInvalid_ErrorMsg</li> </ul> <p><b>grouping (SR0605.3.6.13) error message <a href="#">(GID-2670113)</a>&gt;</b></p> <ul style="list-style-type: none"> <li>▪ Upper tolerance (rel.) must be a positive percentage value.</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: UpperToleranceInvalid_ErrorMsg</li> </ul>
<b>Version Details</b>		
<p><b>Version:</b> v7 - Jun 1, 2022</p> <p><b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest"</p> <p><b>User Comment:</b></p> <p><b>Version:</b> v8 - Jun 10, 2022</p> <p><b>Change Details:</b> "qTest URL" changed from "" to "<a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758911">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758911</a>"</p> <p><b>Version:</b> v9 - Jun 13, 2022</p>		

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<p><b>Change Details:</b> "Jira URL" changed from "" to "https://rockwellautomation.atlassian.net/browse/CVBLSFTPS-30133", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"</p> <p><b>Version:</b> v10 - Aug 2, 2022</p> <p><b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "No"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v11 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "Upper tolerance (rel.) invalid (SR0605.3.6.6)" to "D_EdB - Upper tolerance (rel.) invalid"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v12 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "D_EdB - Upper tolerance (rel.) invalid" to "Upper tolerance (rel.) invalid (SR0605.3.6.6)", "MES-Compliance: 21 CFR Part 11 relevance" changed from "No" to "Yes"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v13 - Aug 11, 2022</p> <p><b>Change Details:</b> "MES-Compliance: 21 CFR Part 11 relevance" changed from "Yes" to "No"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v14 - Dec 1, 2022</p> <p><b>Change Details:</b> "Requirement Text" changed</p>	

## [FTPS\\_Phases-FR-2281](#) Upper tolerance (abs.) invalid (SR0605.3.6.15)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Name	Upper tolerance (abs.) invalid (SR0605.3.6.15)		Upper tolerance (abs.) invalid (SR0605.3.6.15)	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>&lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> <li>&gt;</li> <li>Upper tolerance (abs.) must be a positive number with valid unit of measure.</li> </ul>	<ul style="list-style-type: none"> <li>Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)</li> <li>&gt;</li> <li>Message pack: PhaseWDEditBom&lt;version&gt; Message ID: UpperToleranceAbsoluteInvalid_ErrorMsg</li> </ul>	<ul style="list-style-type: none"> <li>&lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> <li>Upper tolerance (abs.) must be a positive number with valid unit of measure.</li> </ul>	<ul style="list-style-type: none"> <li>Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)</li> <li>Message pack: PhaseWDEditBom&lt;version&gt; Message ID: UpperToleranceAbsoluteInvalid_ErrorMsg</li> </ul>
Version Details				
<b>Version:</b> v7 - Jun 1, 2022 <b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest"				

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<p><b>User Comment:</b></p> <p><b>Version:</b> v8 - Jun 10, 2022</p> <p><b>Change Details:</b> "qTest URL" changed from "" to "<a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758909">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758909</a>"</p> <p><b>Version:</b> v9 - Jun 13, 2022</p> <p><b>Change Details:</b> "Jira URL" changed from "" to "<a href="https://rockwellautomation.atlassian.net/browse/CVBLSTS-30131">https://rockwellautomation.atlassian.net/browse/CVBLSTS-30131</a>", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"</p> <p><b>Version:</b> v10 - Aug 2, 2022</p> <p><b>Change Details:</b> "Legacy ID" changed from "SR0605.3.6.15)" to "SR0605.3.6.15", "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "Yes"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v11 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "Upper tolerance (abs.) invalid (SR0605.3.6.15)" to "D_EdB - Upper tolerance (abs.) invalid"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v12 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "D_EdB - Upper tolerance (abs.) invalid" to "Upper tolerance (abs.) invalid (SR0605.3.6.15)"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v13 - Aug 11, 2022</p> <p><b>Change Details:</b> "MES-Compliance: 21 CFR Part 11 relevance" changed from "Yes" to "No"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v14 - Dec 1, 2022</p>	

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
Change Details: "Requirement Text" changed		

#### [FTPS\\_Phases-FR-2282](#) Lower tolerance undefined (SR0605.3.6.16)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Name	Lower tolerance undefined (SR0605.3.6.16)		Lower tolerance undefined (SR0605.3.6.16)	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ Lower tolerance is not defined.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: NoLowerTolerance_ErrorMsg</li> </ul>	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ Lower tolerance is not defined.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: NoLowerTolerance_ErrorMsg</li> </ul>
Version Details				
Version: v7 - Jun 1, 2022				

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<p><b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest"</p> <p><b>User Comment:</b></p> <p><b>Version:</b> v8 - Jun 10, 2022</p> <p><b>Change Details:</b> "qTest URL" changed from "" to "<a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758908">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758908</a>"</p> <p><b>Version:</b> v9 - Jun 13, 2022</p> <p><b>Change Details:</b> "Jira URL" changed from "" to "<a href="https://rockwellautomation.atlassian.net/browse/CVBLSSFTPS-30130">https://rockwellautomation.atlassian.net/browse/CVBLSSFTPS-30130</a>", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"</p> <p><b>Version:</b> v10 - Aug 2, 2022</p> <p><b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "No"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v11 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "Lower tolerance undefined (SR0605.3.6.16)" to "D_EdB - Lower tolerance undefined"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v12 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "D_EdB - Lower tolerance undefined" to "Lower tolerance undefined (SR0605.3.6.16)", "MES-Compliance: 21 CFR Part 11 relevance" changed from "No" to "Yes"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v13 - Aug 11, 2022</p> <p><b>Change Details:</b> "MES-Compliance: 21 CFR Part 11 relevance" changed from "Yes" to "No"</p>	

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	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	User Comment: Update from Excel import.	
Version:	v14 - Dec 1, 2022	
Change Details:	"Requirement Text" changed	

#### FTPS\_Phases-FR-2283 Upper tolerance undefined (SR0605.3.6.17)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Name	Upper tolerance undefined (SR0605.3.6.17)		Upper tolerance undefined (SR0605.3.6.17)	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in Error message grouping (SR0605.3.6.13) error message <a href="#">(GID-2670113) <li style="text-align: right;">&gt;</li> <li>▪ Upper tolerance is not defined.</li> </a></li></ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See Error message grouping (SR0605.3.6.13) error message <a href="#">(GID-2670113)</a> Message ID: See Error message grouping (SR0605.3.6.13) error message <a href="#">(GID-2670113)</a></li> <li style="text-align: right;">&gt;</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: NoUpperTolerance_ErrorMsg</li> </ul>	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in Error message grouping (SR0605.3.6.13) error message <a href="#">(GID-2670113)</a> Message ID: See Error message grouping (SR0605.3.6.13) error message <a href="#">(GID-2670113)</a></li> <li>▪ Upper tolerance is not defined.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: NoUpperTolerance_ErrorMsg</li> </ul>

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
Version Details		
<b>Version:</b> v7 - Jun 1, 2022		
	<b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest"	
	<b>User Comment:</b>	
<b>Version:</b> v8 - Jun 10, 2022		
	<b>Change Details:</b> "qTest URL" changed from "" to " <a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758907">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758907</a> "	
<b>Version:</b> v9 - Jun 13, 2022		
	<b>Change Details:</b> "Jira URL" changed from "" to " <a href="https://rockwellautomation.atlassian.net/browse/CVBLSSFTPS-30128">https://rockwellautomation.atlassian.net/browse/CVBLSSFTPS-30128</a> ", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"	
<b>Version:</b> v10 - Aug 2, 2022		
	<b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "No"	
	<b>User Comment:</b> Update from Excel import.	
<b>Version:</b> v11 - Aug 8, 2022		
	<b>Change Details:</b> "Name" changed from "Upper tolerance undefined (SR0605.3.6.17)" to "D_EdB - Upper tolerance undefined"	
	<b>User Comment:</b> Update from Excel import.	
<b>Version:</b> v12 - Aug 8, 2022		
	<b>Change Details:</b> "Name" changed from "D_EdB - Upper tolerance undefined" to "Upper tolerance undefined (SR0605.3.6.17)", "MES-Compliance: 21 CFR Part 11 relevance" changed from "No" to "Yes"	

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	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v13 - Aug 11, 2022</p> <p><b>Change Details:</b> "MES-Compliance: 21 CFR Part 11 relevance" changed from "Yes" to "No"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v14 - Dec 1, 2022</p> <p><b>Change Details:</b> "Requirement Text" changed</p>	

#### FTPS\_Phases-FR-2284 No tolerances defined (SR0605.3.6.18)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Name	No tolerances defined (SR0605.3.6.18)		No tolerances defined (SR0605.3.6.18)	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>) Message ID: See Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>)&gt;</li> </ul>	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ Tolerances are not defined.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>) Message ID: See Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt;</li> </ul>

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1	
	<ul style="list-style-type: none"> <li>▪ Tolerances are not defined.</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: NoTolerance_ErrorMsg</li> </ul>		Message ID: NoTolerance_ErrorMsg
<b>Version Details</b>			
<b>Version:</b> v7 - Jun 1, 2022			
<b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest"			
<b>User Comment:</b>			
<b>Version:</b> v8 - Jun 10, 2022			
<b>Change Details:</b> "qTest URL" changed from "" to " <a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758901">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758901</a> "			
<b>Version:</b> v9 - Jun 13, 2022			
<b>Change Details:</b> "Jira URL" changed from "" to " <a href="https://rockwellautomation.atlassian.net/browse/CVBLSSFTPS-30123">https://rockwellautomation.atlassian.net/browse/CVBLSSFTPS-30123</a> ", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"			
<b>Version:</b> v10 - Aug 2, 2022			
<b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "No"			
<b>User Comment:</b> Update from Excel import.			
<b>Version:</b> v11 - Aug 8, 2022			
<b>Change Details:</b> "Name" changed from "No tolerances defined (SR0605.3.6.18)" to "D_EdB - No tolerances defined"			
<b>User Comment:</b> Update from Excel import.			

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	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<b>Version:</b> v12 - Aug 8, 2022		
<b>Change Details:</b> "Name" changed from "D_EdB - No tolerances defined" to "No tolerances defined (SR0605.3.6.18)", "MES-Compliance: 21 CFR Part 11 relevance" changed from "No" to "Yes"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v13 - Aug 11, 2022		
<b>Change Details:</b> "MES-Compliance: 21 CFR Part 11 relevance" changed from "Yes" to "No"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v14 - Dec 1, 2022		
<b>Change Details:</b> "Requirement Text" changed		

#### FTPS\_Phases-FR-2286 BOM position invalid (SR0605.3.6.8)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Name	BOM position invalid (SR0605.3.6.8)		BOM position invalid (SR0605.3.6.8)	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in Error message grouping (SR0605.3.6.13)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message ID: See Error message grouping (SR0605.3.6.13)</li> </ul>	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in Error message grouping (SR0605.3.6.13)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message ID: See Error message grouping (SR0605.3.6.13)</li> </ul>

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1		
	<p>error message <a href="#">(GID-2670113)</a>&gt;</p> <p style="text-align: center;">&gt;</p> <ul style="list-style-type: none"> <li>The BOM position must be a positive integer value, since the BOM contains a filler material.</li> </ul>	<p>(SR0605.3.6.13) error message <a href="#">(GID-2670113)</a></p> <p style="text-align: center;">&gt;</p> <ul style="list-style-type: none"> <li>Message pack: PhaseWDEditBom&lt;version&gt; Message ID: BOMPositionInvalid_ErrorMsg</li> </ul>		<p>error message <a href="#">(GID-2670113)</a>&gt;</p> <ul style="list-style-type: none"> <li>The BOM position must be a positive integer value, since the BOM contains a filler material.</li> </ul>	<p>(SR0605.3.6.13) error message <a href="#">(GID-2670113)</a></p> <ul style="list-style-type: none"> <li>Message pack: PhaseWDEditBom&lt;version&gt; Message ID: BOMPositionInvalid_ErrorMsg</li> </ul>
<b>Version Details</b>					
<p><b>Version:</b> v7 - Jun 1, 2022</p> <p><b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest"</p> <p><b>User Comment:</b></p>					
<p><b>Version:</b> v8 - Jun 10, 2022</p> <p><b>Change Details:</b> "qTest URL" changed from "" to "<a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758896">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758896</a>"</p>					
<p><b>Version:</b> v9 - Jun 13, 2022</p> <p><b>Change Details:</b> "Jira URL" changed from "" to "<a href="https://rockwellautomation.atlassian.net/browse/CVBL-SFTPS-30114">https://rockwellautomation.atlassian.net/browse/CVBL-SFTPS-30114</a>", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"</p>					
<p><b>Version:</b> v10 - Aug 2, 2022</p>					

	<b>Workflow 10.02.00 final</b>	<b>FTPS 11.00.00 WF V1.1</b>
<b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "No"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v11 - Aug 8, 2022		
<b>Change Details:</b> "Name" changed from "BOM position invalid (SR0605.3.6.8)" to "D_EdB - BOM position invalid"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v12 - Aug 8, 2022		
<b>Change Details:</b> "Name" changed from "D_EdB - BOM position invalid" to "BOM position invalid (SR0605.3.6.8)", "MES-Compliance: 21 CFR Part 11 relevance" changed from "No" to "Yes"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v13 - Aug 11, 2022		
<b>Change Details:</b> "MES-Compliance: 21 CFR Part 11 relevance" changed from "Yes" to "No"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v14 - Dec 1, 2022		
<b>Change Details:</b> "Requirement Text" changed		

#### FTPS\_Phases-FR-2287 Duplicate position not allowed (SR0605.3.6.11)

	<b>Workflow 10.02.00 final</b>	<b>FTPS 11.00.00 WF V1.1</b>
<b>Name</b>	Duplicate position not allowed (SR0605.3.6.11)	Duplicate position not allowed (SR0605.3.6.11)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ The &lt;position&gt; BOM position was assigned more than once. BOM positions must be unique.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: BOMPositionDuplicate_ErrorMsg</li> </ul>	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ The &lt;position&gt; BOM position was assigned more than once. BOM positions must be unique.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>) Message ID: See <b>Error message grouping (SR0605.3.6.13)</b> error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: BOMPositionDuplicate_ErrorMsg</li> </ul>
<b>Version Details</b>				
<b>Version:</b> v7 - Jun 1, 2022 <b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest" <b>User Comment:</b> <b>Version:</b> v8 - Jun 10, 2022				

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	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<p><b>Change Details:</b> "qTest URL" changed from "" to "<a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758894">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758894</a>"</p> <p><b>Version:</b> v9 - Jun 13, 2022</p> <p><b>Change Details:</b> "Jira URL" changed from "" to "https://rockwellautomation.atlassian.net/browse/CVBLSTSFTPS-30118", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"</p> <p><b>Version:</b> v10 - Aug 2, 2022</p> <p><b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "No"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v11 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "Duplicate position not allowed (SR0605.3.6.11)" to "D_EdB - Duplicate position not allowed"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v12 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "D_EdB - Duplicate position not allowed" to "Duplicate position not allowed (SR0605.3.6.11)", "MES-Compliance: 21 CFR Part 11 relevance" changed from "No" to "Yes"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v13 - Aug 11, 2022</p> <p><b>Change Details:</b> "MES-Compliance: 21 CFR Part 11 relevance" changed from "Yes" to "No"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v14 - Dec 1, 2022</p>	<p><b>FTPS 11.00.00 WF V1.1</b></p>

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
Change Details: "Requirement Text" changed		

#### [FTPS\\_Phases-FR-2288](#) Comment exceeds maximum length (SR0605.3.6.12)

	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
Name	Comment exceeds maximum length (SR0605.3.6.12)		Comment exceeds maximum length (SR0605.3.6.12)	
Description	UI text	Comment	UI text	Comment
	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ Comment on label exceeds the maximum length of 30 characters.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>) Message ID: See Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: CommentLength_ErrorMsg</li> </ul>	<ul style="list-style-type: none"> <li>▪ &lt;Header as defined in Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>)&gt;</li> <li>▪ Comment on label exceeds the maximum length of 30 characters.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: See Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>) Message ID: See Error message grouping (SR0605.3.6.13) error message (<a href="#">GID-2670113</a>)</li> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: CommentLength_ErrorMsg</li> </ul>
Version Details				
<b>Version:</b> v7 - Jun 1, 2022 <b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest"				

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<p><b>User Comment:</b></p> <p><b>Version:</b> v8 - Jun 10, 2022</p> <p><b>Change Details:</b> "qTest URL" changed from "" to "<a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758891">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758891</a>"</p> <p><b>Version:</b> v9 - Jun 13, 2022</p> <p><b>Change Details:</b> "Jira URL" changed from "" to "<a href="https://rockwellautomation.atlassian.net/browse/CVBLSFTPS-30115">https://rockwellautomation.atlassian.net/browse/CVBLSFTPS-30115</a>", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"</p> <p><b>Version:</b> v10 - Aug 2, 2022</p> <p><b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "No"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v11 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "Comment exceeds maximum length (SR0605.3.6.12)" to "D_EdB - Comment exceeds maximum length"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v12 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "D_EdB - Comment exceeds maximum length" to "Comment exceeds maximum length (SR0605.3.6.12)", "MES-Compliance: 21 CFR Part 11 relevance" changed from "No" to "Yes"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v13 - Aug 11, 2022</p>	

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<b>Change Details:</b> "MES-Compliance: 21 CFR Part 11 relevance" changed from "Yes" to "No"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v14 - Dec 1, 2022		
<b>Change Details:</b> "Requirement Text" changed		

#### FTPS\_Phases-FR-2290 Error message grouping (SR0605.3.6.13)

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1								
<b>Name</b>	Error message grouping (SR0605.3.6.13)	Error message grouping (SR0605.3.6.13)								
<b>Description</b>	<p>If several errors occur when the BOM is saved, the error messages are combined and displayed in a single error dialog. The two error levels specified in the <b>Error Messages (SR0605.3.6+)</b> description (<a href="#">GID-2668637</a>) are used as follows.</p> <p>The combined error message consists of:</p> <ol style="list-style-type: none"> <li>1. One header message and</li> <li>2. one or more detail messages.</li> </ol> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>UI text</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> <li>▪ Cannot save the BOM item, since some data has not been</li> </ul> </td> <td> <ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: SaveBom_ErrorMsg</li> </ul> </td> </tr> </tbody> </table>	UI text	Comment	<ul style="list-style-type: none"> <li>▪ Cannot save the BOM item, since some data has not been</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: SaveBom_ErrorMsg</li> </ul>	<p>If several errors occur when the BOM is saved, the error messages are combined and displayed in a single error dialog. The two error levels specified in the <b>Error Messages (SR0605.3.6+)</b> description (<a href="#">GID-2668637</a>) are used as follows.</p> <p>The combined error message consists of:</p> <ol style="list-style-type: none"> <li>1. One header message and</li> <li>2. one or more detail messages.</li> </ol> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>UI text</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> <li>▪ Cannot save the BOM item, since some data has not been</li> </ul> </td> <td> <ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: SaveBom_ErrorMsg</li> </ul> </td> </tr> </tbody> </table>	UI text	Comment	<ul style="list-style-type: none"> <li>▪ Cannot save the BOM item, since some data has not been</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: SaveBom_ErrorMsg</li> </ul>
UI text	Comment									
<ul style="list-style-type: none"> <li>▪ Cannot save the BOM item, since some data has not been</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: SaveBom_ErrorMsg</li> </ul>									
UI text	Comment									
<ul style="list-style-type: none"> <li>▪ Cannot save the BOM item, since some data has not been</li> </ul>	<ul style="list-style-type: none"> <li>▪ Message pack: PhaseWDEditBom&lt;version&gt; Message ID: SaveBom_ErrorMsg</li> </ul>									

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	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1
	<p>defined correctly.</p> <p>&gt;</p> <ul style="list-style-type: none"> <li>▪ &lt;List of detail messages&gt;</li> </ul>	<p>&gt;</p> <ul style="list-style-type: none"> <li>▪ Error message detail as defined for each individual error message above.</li> </ul> <p>Potential error cause: If several errors related to the execution of the <b>Add BOM item (SR0605.2.2)</b> function (<a href="#">GID-2670085</a>) and the <b>Edit BOM item (SR0605.2.3)</b> function (<a href="#">GID-2670086</a>) button exist, the displayed error message contains all error details that apply.</p> <p>The following error messages are subject to message grouping:</p> <ul style="list-style-type: none"> <li>▪ Material invalid (SR0605.3.6.4) (<a href="#">GID-2670100</a>)</li> <li>▪ Lower tolerance (rel.) invalid (SR0605.3.6.5) (<a href="#">GID-2670101</a>)</li> <li>▪ Upper tolerance (rel.) invalid (SR0605.3.6.6) (<a href="#">GID-2670102</a>)</li> <li>▪ Lower tolerance (abs.) invalid (SR0605.3.6.14) (<a href="#">GID-2670103</a>)</li> <li>▪ Upper tolerance (abs.) invalid (SR0605.3.6.15) (<a href="#">GID-2670104</a>)</li> <li>▪ Lower tolerance undefined (SR0605.3.6.16) (<a href="#">GID-2670105</a>)</li> </ul>	<p>defined correctly.</p> <p>&lt;List of detail messages&gt;</p> <ul style="list-style-type: none"> <li>▪ Error message detail as defined for each individual error message above.</li> </ul> <p>Potential error cause: If several errors related to the execution of the <b>Add BOM item (SR0605.2.2)</b> function (<a href="#">GID-2670085</a>) and the <b>Edit BOM item (SR0605.2.3)</b> function (<a href="#">GID-2670086</a>) button exist, the displayed error message contains all error details that apply.</p> <p>The following error messages are subject to message grouping:</p> <ul style="list-style-type: none"> <li>▪ Material invalid (SR0605.3.6.4) (<a href="#">GID-2670100</a>)</li> <li>▪ Lower tolerance (rel.) invalid (SR0605.3.6.5) (<a href="#">GID-2670101</a>)</li> <li>▪ Upper tolerance (rel.) invalid (SR0605.3.6.6) (<a href="#">GID-2670102</a>)</li> <li>▪ Lower tolerance (abs.) invalid (SR0605.3.6.14) (<a href="#">GID-2670103</a>)</li> <li>▪ Upper tolerance (abs.) invalid (SR0605.3.6.15) (<a href="#">GID-2670104</a>)</li> <li>▪ Lower tolerance undefined (SR0605.3.6.16) (<a href="#">GID-2670105</a>)</li> </ul>

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<ul style="list-style-type: none"><li>▪ Lower tolerance (abs.) invalid (SR0605.3.6.14) (<a href="#">GID-2670103</a>)</li><li>▪ Upper tolerance (abs.) invalid (SR0605.3.6.15) (<a href="#">GID-2670104</a>)</li><li>▪ Lower tolerance undefined (SR0605.3.6.16) (<a href="#">GID-2670105</a>)</li><li>▪ Upper tolerance undefined (SR0605.3.6.17) (<a href="#">GID-2670106</a>)</li><li>▪ No tolerances defined (SR0605.3.6.18) (<a href="#">GID-2670107</a>)</li><li>▪ Planned quantity invalid (SR0605.3.6.7) (<a href="#">GID-2670108</a>)</li><li>▪ BOM position invalid (SR0605.3.6.8) (<a href="#">GID-2670109</a>)</li><li>▪ Duplicate position not allowed (SR0605.3.6.11) (<a href="#">GID-2670110</a>)</li><li>▪ Comment exceeds maximum length (SR0605.3.6.12) (<a href="#">GID-2670111</a>)</li></ul>	<ul style="list-style-type: none"><li>▪ Upper tolerance undefined (SR0605.3.6.17) (<a href="#">GID-2670106</a>)</li><li>▪ No tolerances defined (SR0605.3.6.18) (<a href="#">GID-2670107</a>)</li><li>▪ Planned quantity invalid (SR0605.3.6.7) (<a href="#">GID-2670108</a>)</li><li>▪ BOM position invalid (SR0605.3.6.8) (<a href="#">GID-2670109</a>)</li><li>▪ Duplicate position not allowed (SR0605.3.6.11) (<a href="#">GID-2670110</a>)</li><li>▪ Comment exceeds maximum length (SR0605.3.6.12) (<a href="#">GID-2670111</a>)</li></ul>
<b>Version Details</b>		
<b>Version:</b> v8 - Jun 1, 2022		

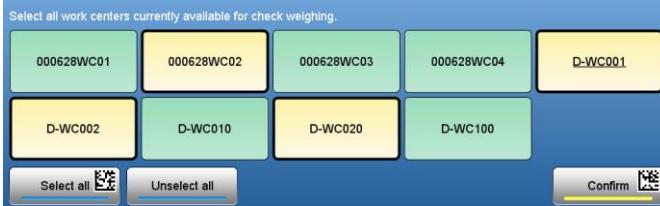
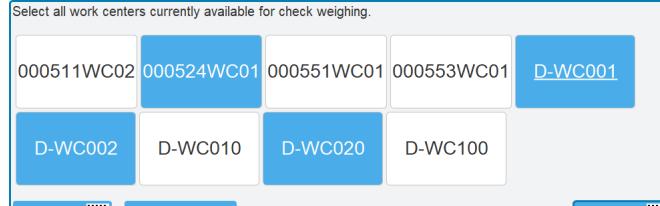
	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<p><b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest"</p> <p><b>User Comment:</b></p> <p><b>Version:</b> v9 - Jun 10, 2022</p> <p><b>Change Details:</b> "qTest URL" changed from "" to "<a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758887">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758887</a>"</p> <p><b>Version:</b> v10 - Jun 13, 2022</p> <p><b>Change Details:</b> "Jira URL" changed from "" to "<a href="https://rockwellautomation.atlassian.net/browse/CVBLSFTPS-30112">https://rockwellautomation.atlassian.net/browse/CVBLSFTPS-30112</a>", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"</p> <p><b>Version:</b> v11 - Aug 2, 2022</p> <p><b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "No"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v12 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "Error message grouping (SR0605.3.6.13)" to "D_EdB - Error message grouping"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v13 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "D_EdB - Error message grouping" to "Error message grouping (SR0605.3.6.13)", "MES-Compliance: 21 CFR Part 11 relevance" changed from "No" to "Yes"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v14 - Aug 11, 2022</p>	

- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
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	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<b>Change Details:</b> "MES-Compliance: 21 CFR Part 11 relevance" changed from "Yes" to "No"		
<b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v15 - Dec 1, 2022		
<b>Change Details:</b> "Requirement Text" changed		

#### FTPS\_Phases-FLD-1521 Dispatch Order Phase (SR0610+)

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<b>Name</b>	Dispatch Order Phase (SR0610+)	Dispatch Order Phase (SR0610+)
<b>Description</b>	<p>The <b>Dispatch order</b> phase (D Dispatch Order) allows an operator to dispatch the order to one or more work centers out of a pre-defined set of work centers in the master recipe. If no work center is assigned, the order can be processed at all work centers.</p> <p>An example use case is:</p> <ul style="list-style-type: none"> <li>Define the work center for a cost center-related weighing order that was previously defined on the shop floor.</li> </ul> <p>Only the default sub-report elements are available for documentation purposes in the sub-report (<a href="#">GID-2670120</a>).</p>	<p>The <b>Dispatch order</b> phase (D Dispatch Order) allows an operator to dispatch the order to one or more work centers out of a pre-defined set of work centers in the master recipe. If no work center is assigned, the order can be processed at all work centers.</p> <p>An example use case is:</p> <ul style="list-style-type: none"> <li>Define the work center for a cost center-related weighing order that was previously defined on the shop floor.</li> </ul> <p>Only the default sub-report elements are available for documentation purposes in the sub-report (<a href="#">GID-2670120</a>).</p>

	<b>Workflow 10.02.00 final</b>	<b>FTPS 11.00.00 WF V1.1</b>
	<p>Anomalies that occur during processing are covered by the phase exception handling (<a href="#">GID-2668642</a>)(e.g. adding a user-defined exception).</p> <p>After completion the phase displays the selected work centers or a message that all work centers are used in the Execution Window.</p> <p>The Navigator displays the identifier of the order.</p> 	<p>Anomalies that occur during processing are covered by the phase exception handling (<a href="#">GID-2668642</a>)(e.g. adding a user-defined exception).</p> <p>After completion the phase displays the selected work centers or a message that all work centers are used in the Execution Window.</p> <p>The Navigator displays the identifier of the order.</p> 
<b>Version Details</b>		
<b>Version:</b> v7 - Jun 1, 2022 <b>Change Details:</b> "Send to Implementation" changed from "No" to "qTest Only" <b>User Comment:</b>		
<b>Version:</b> v8 - Jun 10, 2022 <b>Change Details:</b> "qTest Folder ID" changed from "" to "MD-2149"		

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<p><b>Version:</b> v9 - Oct 5, 2022</p> <p><b>Change Details:</b> "Folder Text" changed, "Status" changed from "Approved" to "In Progress"</p> <p><b>Version:</b> v10 - Oct 31, 2022</p> <p><b>Change Details:</b> "Status" changed from "In Progress" to "Approved"</p> <p><b>User Comment:</b></p>		

#### [FTPS\\_Phases-FR-2297](#) Initialize phase (SR0610.2.1)

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1													
Name	Initialize phase (SR0610.2.1)			Initialize phase (SR0610.2.1)													
Description	<ul style="list-style-type: none"> <li>Function: Initializing the phase</li> <li>Trigger: Phase becomes active</li> <li>Postcondition: Phase displays pre-defined work centers or corresponding message</li> </ul> <table border="1"> <thead> <tr> <th>Step</th><th>#</th><th>Description</th></tr> </thead> <tbody> <tr> <td>Phase activation</td><td>10</td><td>Phase displays its user interface according to the <b>Active mode (SR0610.1.2)</b> layout (<a href="#">GID-2672113</a>).</td></tr> </tbody> </table>	Step	#	Description	Phase activation	10	Phase displays its user interface according to the <b>Active mode (SR0610.1.2)</b> layout ( <a href="#">GID-2672113</a> ).	<ul style="list-style-type: none"> <li>Function: Initializing the phase</li> <li>Trigger: Phase becomes active</li> <li>Postcondition: Phase displays pre-defined work centers or corresponding message</li> </ul> <table border="1"> <thead> <tr> <th>Step</th><th>#</th><th>Description</th></tr> </thead> <tbody> <tr> <td>Phase activation</td><td>10</td><td>Phase displays its user interface according to the <b>Active mode (SR0610.1.2)</b> layout (<a href="#">GID-2672113</a>).</td></tr> </tbody> </table>	Step	#	Description	Phase activation	10	Phase displays its user interface according to the <b>Active mode (SR0610.1.2)</b> layout ( <a href="#">GID-2672113</a> ).			
Step	#	Description															
Phase activation	10	Phase displays its user interface according to the <b>Active mode (SR0610.1.2)</b> layout ( <a href="#">GID-2672113</a> ).															
Step	#	Description															
Phase activation	10	Phase displays its user interface according to the <b>Active mode (SR0610.1.2)</b> layout ( <a href="#">GID-2672113</a> ).															

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	Workflow 10.02.00 final		FTPS 11.00.00 WF V1.1	
		<p>20 Phase verifies the order defined by the Order (SR0610.8.2) process parameter (<a href="#">GID-2672125</a>).</p> <ul style="list-style-type: none"> <li>▪ If the order does not exist, phase displays the Unknown order (SR0610.3.6.1) error message (<a href="#">GID-2670132</a>). &gt;&gt;</li> <li>▪ If the order exists, but is not in the Exploded status, phase displays the Invalid order status (SR0610.3.6.2) error message (<a href="#">GID-2670133</a>).</li> </ul>		<p>20 Phase verifies the order defined by the Order (SR0610.8.2) process parameter (<a href="#">GID-2672125</a>).</p> <ul style="list-style-type: none"> <li>▪ If the order does not exist, phase displays the Unknown order (SR0610.3.6.1) error message (<a href="#">GID-2670132</a>).</li> <li>▪ If the order exists, but is not in the Exploded status, phase displays the Invalid order status (SR0610.3.6.2) error message (<a href="#">GID-2670133</a>).</li> </ul>
		<p>30 If all checks are passed successfully, phase updates the display depending on the work centers assigned to the exploded order step. The work centers have been defined in the master recipe; see also Active mode (SR0610.1.2) layout (<a href="#">GID-2672113</a>).</p>		<p>30 If all checks are passed successfully, phase updates the display depending on the work centers assigned to the exploded order step. The work centers have been defined in the master recipe; see also Active mode (SR0610.1.2) layout (<a href="#">GID-2672113</a>).</p>
Version Details				
<b>Version:</b> v7 - Jun 1, 2022				

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
	<p><b>Change Details:</b> "Send to Implementation" changed from "" to "Both Jira and qTest"</p> <p><b>User Comment:</b></p> <p><b>Version:</b> v8 - Jun 10, 2022</p> <p><b>Change Details:</b> "qTest URL" changed from "" to "<a href="https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758881">https://ra.qtestnet.com/p/95879/portal/project#tab=requirements&amp;object=5&amp;id=19758881</a>"</p> <p><b>Version:</b> v9 - Jun 13, 2022</p> <p><b>Change Details:</b> "Jira URL" changed from "" to "<a href="https://rockwellautomation.atlassian.net/browse/CVBLSSFTPS-30110">https://rockwellautomation.atlassian.net/browse/CVBLSSFTPS-30110</a>", "Jira Status" changed from "" to "Open", "Jira Last Modified Date" changed from "" to "06/13/2022 12:00:00 AM UTC"</p> <p><b>Version:</b> v10 - Aug 2, 2022</p> <p><b>Change Details:</b> "MES-Business: GxP relevance" changed from "" to "Yes", "MES-Business: Business Impact" changed from "" to "High", "MES-Compliance: 21 CFR Part 11 relevance" changed from "" to "No"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v11 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "Initialize phase (SR0610.2.1)" to "D_DiO - Initialize phase"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v12 - Aug 8, 2022</p> <p><b>Change Details:</b> "Name" changed from "D_DiO - Initialize phase" to "Initialize phase (SR0610.2.1)", "MES-Compliance: 21 CFR Part 11 relevance" changed from "No" to "Yes"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v13 - Aug 11, 2022</p> <p><b>Change Details:</b> "MES-Compliance: 21 CFR Part 11 relevance" changed from "Yes" to "No"</p>	

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
User Comment:	Update from Excel import.	
Version:	v14 - Dec 1, 2022	
Change Details:	"Requirement Text" changed	

#### FTPS\_Phases-TXT-1235 Instruction table definition (Framework capability)

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1		
Name	Instruction table definition (Framework capability)			Instruction table definition (Framework capability)		
Description	Attribute	Type	Comment	Attribute	Type	Comment
	Table layout	Choice list	Defines the layout of the instruction table holding the instruction texts. Available settings: 1 column, 2 columns, 3 columns, 4 columns, 5 columns. Default setting: 1 column.	Table layout	Choice list	Defines the layout of the instruction table holding the instruction texts. Available settings: 1 column, 2 columns, 3 columns, 4 columns, 5 columns. Default setting: 1 column.
	First column narrow	Boolean	Defines if the first column of the table shall be narrow.	First column narrow	Boolean	Defines if the first column of the table shall be narrow.

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1		
	Show all borders	Boolean	Defines if the borders of the table shall be visible.		Show all borders	Boolean
<b>Version Details</b>						
<b>Version:</b> v5 - Aug 7, 2022						
<b>Change Details:</b> "Name" changed from "Instruction table definition (Framework capability)" to "Instruction table definition ()" <b>User Comment:</b> Update from Excel import.						
<b>Version:</b> v6 - Oct 31, 2022						
<b>Change Details:</b> "Name" changed from "Instruction table definition ()" to "Instruction table definition (Framework capability)", "Text" changed						

#### FTPS\_Phases-TXT-1236 Instruction table text (Framework capability)

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1			
Name	Instruction table text (Framework capability)		Instruction table text (Framework capability)				
Description	Attribute	Type	Comment		Attribute	Type	Comment
	Column 1	HTML text	Instruction text to be displayed in a column.		Column 1	HTML text	Instruction text to be displayed in a column.
	Column 2	HTML text	<b>Restriction:</b> Maximum		Column 2	HTML text	<b>Restriction:</b> Maximum

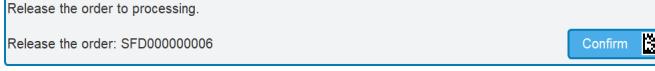
	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1			
	Column 3	HTML text	length is 2000 characters (including HTML tags).		Column 3	HTML text	length is 2000 characters (including HTML tags).
	Column 4	HTML text			Column 4	HTML text	
	Column 5	HTML text			Column 5	HTML text	
<b>Version Details</b>							
<b>Version:</b> v5 - Aug 7, 2022							
<b>Change Details:</b> "Name" changed from "Instruction table text (Framework capability)" to "Instruction table text ()" <b>User Comment:</b> Update from Excel import.							
<b>Version:</b> v6 - Oct 31, 2022							
<b>Change Details:</b> "Name" changed from "Instruction table text ()" to "Instruction table text (Framework capability)", "Text" changed							

#### FTPS\_Phases-TXT-1238 Instruction link definition (Framework capability)

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1			
Name	Instruction link definition (Framework capability)			Instruction link definition (Framework capability)			
Description	Attribute	Type	Comment		Attribute	Type	Comment
	Link text	Text	Text to be used as link. For any text enclosed in curly brackets within		Link text	Text	Text to be used as link. For any text enclosed in curly brackets within

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1		
			<p>the instruction text you can define a link with the <b>Link URL</b> attribute. Including the brackets in the link text is optional.</p> <p>Maximum length is 80 characters.</p>			<p>the instruction text you can define a link with the <b>Link URL</b> attribute. Including the brackets in the link text is optional.</p> <p>Maximum length is 80 characters.</p>
<b>Version Details</b>						
<p><b>Version:</b> v5 - Aug 7, 2022</p> <p><b>Change Details:</b> "Name" changed from "Instruction link definition (Framework capability)" to "Instruction link definition ()"</p> <p><b>User Comment:</b> Update from Excel import.</p> <p><b>Version:</b> v6 - Nov 2, 2022</p> <p><b>Change Details:</b> "Name" changed from "Instruction link definition ()" to "Instruction link definition (Framework capability)", "Text" changed</p>						

## FTPS\_Phases-FLD-1534 Release Order Phase (SR0615+)

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
Name	Release Order Phase (SR0615+)	Release Order Phase (SR0615+)
Description	<p>The <b>Release order</b> phase (D Release Order) allows an operator to change the order's status to <b>Released</b> and thereby make it available for processing.</p> <p>An example use case is:</p> <ul style="list-style-type: none"> <li>Release an order for cost center-related weighing, thus making it available for order execution with the Production Execution Client.</li> </ul> <p>Only the default sub-report elements are available for documentation purposes in the sub-report (<a href="#">GID-2670141</a>).</p> <p>Anomalies that occur during processing are covered by the phase exception handling (<a href="#">GID-2668651</a>) (e.g. adding a user-defined exception).</p> <p>After completion the phase displays the identifier of the released order in the Execution Window and in the Navigator.</p> 	<p>The <b>Release order</b> phase (D Release Order) allows an operator to change the order's status to <b>Released</b> and thereby make it available for processing.</p> <p>An example use case is:</p> <ul style="list-style-type: none"> <li>Release an order for cost center-related weighing, thus making it available for order execution with the Production Execution Client.</li> </ul> <p>Only the default sub-report elements are available for documentation purposes in the sub-report (<a href="#">GID-2670141</a>).</p> <p>Anomalies that occur during processing are covered by the phase exception handling (<a href="#">GID-2668651</a>) (e.g. adding a user-defined exception).</p> <p>After completion the phase displays the identifier of the released order in the Execution Window and in the Navigator.</p> 

*Figure 9 Release order during execution*

*Figure 9 Release order during execution*

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
Version Details		
<b>Version:</b> v7 - Jun 1, 2022		
<b>Change Details:</b> "Send to Implementation" changed from "No" to "qTest Only"		
<b>User Comment:</b>		
<b>Version:</b> v8 - Jun 10, 2022		
<b>Change Details:</b> "qTest Folder ID" changed from "" to "MD-2120"		
<b>Version:</b> v9 - Oct 5, 2022		
<b>Change Details:</b> "Folder Text" changed, "Status" changed from "Approved" to "In Progress"		
<b>Version:</b> v10 - Oct 31, 2022		
<b>Change Details:</b> "Status" changed from "In Progress" to "Approved"		
<b>User Comment:</b>		

#### FTPS\_Phases-TXT-1252 Instruction table definition (Framework capability)

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1			
Name	Instruction table definition (Framework capability)			Instruction table definition (Framework capability)			
Description	Attribute	Type	Comment		Attribute	Type	Comment
	Table layout	Choice list	Defines the layout of the instruction table holding the instruction		Table layout	Choice list	Defines the layout of the instruction table holding the instruction

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1			
			texts. Available settings: 1 column, 2 columns, 3 columns, 4 columns, 5 columns. Default setting: 1 column.			texts. Available settings: 1 column, 2 columns, 3 columns, 4 columns, 5 columns. Default setting: 1 column.	
	First column narrow	Boolean	Defines if the first column of the table shall be narrow.		First column narrow	Boolean	Defines if the first column of the table shall be narrow.
	Show all borders	Boolean	Defines if the borders of the table shall be visible.		Show all borders	Boolean	Defines if the borders of the table shall be visible.
Version Details							
<b>Version:</b> v5 - Aug 7, 2022 <b>Change Details:</b> "Name" changed from "Instruction table definition (Framework capability)" to "Instruction table definition ()" <b>User Comment:</b> Update from Excel import.							
<b>Version:</b> v6 - Oct 31, 2022 <b>Change Details:</b> "Name" changed from "Instruction table definition ()" to "Instruction table definition (Framework capability)", "Text" changed							

### [FTPS\\_Phases-TXT-1253](#) Instruction table text (Framework capability)

Workflow 10.02.00 final				FTPS 11.00.00 WF V1.1				
Name	Instruction table text (Framework capability)			Instruction table text (Framework capability)				
Description	Attribute	Type	Comment		Attribute	Type	Comment	
	Column 1	HTML text	Instruction text to be displayed in a column.		Column 1	HTML text	Instruction text to be displayed in a column.	
	Column 2	HTML text	<b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).		Column 2	HTML text	<b>Restriction:</b> Maximum length is 2000 characters (including HTML tags).	
	Column 3	HTML text			Column 3	HTML text		
	Column 4	HTML text			Column 4	HTML text		
	Column 5	HTML text			Column 5	HTML text		
Version Details								
<b>Version:</b> v5 - Aug 7, 2022 <b>Change Details:</b> "Name" changed from "Instruction table text (Framework capability)" to "Instruction table text ()" <b>User Comment:</b> Update from Excel import.								
<b>Version:</b> v6 - Oct 31, 2022 <b>Change Details:</b> "Name" changed from "Instruction table text ()" to "Instruction table text (Framework capability)", "Text" changed								

### [FTPS\\_Phases-TXT-1255](#) Instruction link definition (Framework capability)

	Workflow 10.02.00 final			FTPS 11.00.00 WF V1.1		
Name	Instruction link definition (Framework capability)			Instruction link definition (Framework capability)		
Description	Attribute	Type	Comment	Attribute	Type	Comment
	Link text	Text	<p>Text to be used as link. For any text enclosed in curly brackets within the instruction text you can define a link with the <b>Link URL</b> attribute. Including the brackets in the link text is optional.</p> <p>Maximum length is 80 characters.</p>	Link text	Text	<p>Text to be used as link. For any text enclosed in curly brackets within the instruction text you can define a link with the <b>Link URL</b> attribute. Including the brackets in the link text is optional.</p> <p>Maximum length is 80 characters.</p>
	Link URL	Text	<p>URL of the file to be displayed. The link opens the external application assigned to the file type by the operating system.</p> <p>Maximum length is 256 characters.</p>	Link URL	Text	<p>URL of the file to be displayed. The link opens the external application assigned to the file type by the operating system.</p> <p>Maximum length is 256 characters.</p>

	Workflow 10.02.00 final	FTPS 11.00.00 WF V1.1
<b>Version Details</b>		
<b>Version:</b> v5 - Aug 7, 2022		
<b>Change Details:</b> "Name" changed from "Instruction link definition (Framework capability)" to "Instruction link definition ()" <b>User Comment:</b> Update from Excel import.		
<b>Version:</b> v6 - Nov 2, 2022		
<b>Change Details:</b> "Name" changed from "Instruction link definition ()" to "Instruction link definition (Framework capability)", "Text" changed		

#### Added Requirements

None

#### Deleted Requirements

None

# Index

## A

- Action column • 14, 35, 62, 75
- Active mode (SR0600.1.2) • 12
- Active mode (SR0605.1.2) • 33
- Active mode (SR0610.1.2) • 60
- Active mode (SR0615.1.2) • 74
- Add BOM item (SR0605.2.2) • 37
- Adding material with weighing material type different from auxiliary (SR0605.3.4.1) • 46
- Approval • 85
- At least one BOM item required (SR0605.3.6.3) • 48

## B

- Basic Parameters • 19, 45, 68, 79
- Batch cannot be created (SR0600.3.6.10) • 24
- Batch ID (SR0600.9.3) • 29
- Batch identifier already used (SR0600.3.6.4) • 25
- Batch material does not match product (SR0600.3.6.5) • 25
- BOM item details (SR0605.1.5) • 33
- BOM position invalid (SR0605.3.6.8) • 53
- Business Logic (SR0600.2+) • 15
- Business Logic (SR0605.2+) • 36
- Business Logic (SR0610.2+) • 63
- Business Logic (SR0615.2+) • 76

## C

- Comment exceeds maximum length (SR0605.3.6.12) • 55
- Common sub-report elements (Framework capability) • 14, 35, 62, 75
- Completed mode (SR0600.1.3) • 13
- Completed mode (SR0605.1.3) • 34
- Completed mode (SR0610.1.3) • 61
- Completed mode (SR0615.1.3) • 74
- Completion time (Framework capability) • 28, 57, 71, 82
- Confirm phase (SR0600.2.3) • 16
- Confirm phase (SR0605.2.5) • 42
- Confirm phase (SR0610.2.4) • 65
- Confirm phase (SR0615.2.2) • 76
- Cost center configuration (SR0600.8.2) • 20
- Cost center ID (SR0600.9.2) • 29
- Cost Center-related Dispensing • 8

## D

- Decisions • 22, 47, 69, 80
- Define Order Phase (SR0600+) • 11
- Delete BOM item (SR0605.2.4) • 42

- 
- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
- 

Delete BOM item (SR0605.3.5.1) • 47  
 Dispatch Order Phase (SR0610+) • 59  
 Document Information • 85  
 Duplicate order number not allowed (SR0600.3.6.6) • 26  
 Duplicate position not allowed (SR0605.3.6.11) • 54

## E

Edit BOM item (SR0605.2.3) • 40  
 Edit BOM Phase (SR0605+) • 31  
 Error during order explosion (SR0600.3.6.8) • 27  
 Error message grouping (SR0600.3.6.9) • 27  
 Error message grouping (SR0605.3.6.13) • 55  
 Error Messages (SR0600.3.6+) • 22  
 Error Messages (SR0605.3.6+) • 47  
 Error Messages (SR0610.3.6+) • 69  
 Error Messages (SR0615.3.6+) • 80  
 Exceptions (SR0600.3+) • 21  
 Exceptions (SR0605.3+) • 45  
 Exceptions (SR0610.3+) • 68  
 Exceptions (SR0615.3+) • 79

## F

Flexible order creation • 4  
 Flexible order creation without cost center definition or work center dispatching • 5

## I

Identifier (Framework capability) • 29, 57, 71, 82  
 Information column (SR0600.4.1) • 14  
 Information column (SR0605.4.1) • 35  
 Information column (SR0610.4.1) • 62  
 Information column (SR0615.4.1) • 75  
 Information Messages • 21, 69, 80  
 Information Messages (SR0605.3.4+) • 46  
 Initialization-specific Error Messages • 22  
 Initialize phase (SR0600.2.1) • 15  
 Initialize phase (SR0605.2.1) • 36  
 Initialize phase (SR0610.2.1) • 63  
 Initialize phase (SR0615.2.1) • 76  
 Instance count (Framework capability) • 28, 71, 82  
 Instance count (Framework capability) • 57  
 Instruction (SR0600.8.1) • 19  
 Instruction (SR0605.8.1) • 45  
 Instruction (SR0610.8.1) • 68  
 Instruction (SR0615.8.1) • 79  
 Instruction link definition (Framework capability) • 19, 44, 67, 78  
 Instruction Link-specific Parameters • 19, 44, 67, 78  
 Instruction table definition (Framework capability) • 18, 43, 66, 77  
 Instruction table text (Framework capability) • 18, 43, 67, 77  
 Instruction Table-specific Parameters • 18, 43, 66, 77  
 Instruction text with links (Framework capability) • 19, 44, 67, 78  
 Introduction • 1  
 Invalid order status (SR0605.3.6.2) • 48

Invalid order status (SR0610.3.6.2) • 70  
Invalid order status (SR0615.3.6.2) • 81

## L

Layout • 11, 31, 59, 73  
Lower tolerance (abs.) invalid (SR0605.3.6.14) • 50  
Lower tolerance (rel.) invalid (SR0605.3.6.5) • 49  
Lower tolerance undefined (SR0605.3.6.16) • 51

## M

Master recipe (SR0600.8.3) • 20  
Material invalid (SR0605.3.6.4) • 49  
Modified BOM (SR0605.3.6.19) • 55

## N

No cost center selected (SR0600.3.6.2) • 23  
No master recipe selected (SR0600.3.6.1) • 22  
No product defined (SR0600.3.6.3) • 23  
No tolerances defined (SR0605.3.6.18) • 52  
No valid version of defined master recipe available (SR0600.3.6.7) • 22  
No work center selected (SR0610.3.6.3) • 70

## O

Operator-specific Use Cases • 6  
Order (SR0605.8.2) • 45  
Order (SR0610.8.2) • 68  
Order (SR0615.8.2) • 79  
Order Creation Failed-specific Error Messages • 22  
Order creation for a specific master recipe with pre-defined BOM • 6  
Order Explosion Failed-specific Error Messages • 27  
Order ID (SR0600.9.1) • 29  
Order Parameters • 20  
Order release failed (SR0615.3.6.3) • 81  
Output Variables (SR0600.9+) • 28  
Output Variables (SR0605.9+) • 57  
Output Variables (SR0610.9+) • 71  
Output Variables (SR0615.9+) • 82

## P

Phase column (Framework capability) • 13, 35, 62, 74  
Planned quantity invalid (SR0605.3.6.7) • 53  
Post-completion Exceptions • 21, 46, 69, 80  
Preview mode (SR0600.1.1) • 11  
Preview mode (SR0605.1.1) • 32  
Preview mode (SR0610.1.1) • 59  
Preview mode (SR0615.1.1) • 73  
Process Parameters (SR0600.8+) • 18

- 
- FT PharmaSuite® 11.00.00 - Functional Requirement Specification Workflow Phases
- 
- 

Process Parameters (SR0605.8+) • 43  
 Process Parameters (SR0610.8+) • 66  
 Process Parameters (SR0615.8+) • 77  
 Product does not exist (SR0600.3.6.12) • 24  
 Product ID (SR0600.9.4) • 30

## Q

Questions • 21, 69, 80  
 Questions (SR0605.3.5+) • 47  
 Quick order creation for a specific master recipe with pre-defined BOM, pre-defined work centers, and mandatory cost center assignment • 7

## R

Reference Documents • 83  
 Release Order Phase (SR0615+) • 73  
 Representation during Execution (SR0600.1+) • 11  
 Representation during Execution (SR0605.1+) • 32  
 Representation during Execution (SR0610.1+) • 59  
 Representation during Execution (SR0615.1+) • 73  
 Representation in Navigator (SR0600.4+) • 13  
 Representation in Navigator (SR0605.4+) • 35  
 Representation in Navigator (SR0610.4+) • 62  
 Representation in Navigator (SR0615.4+) • 74  
 Representation in Sub-report (SR0600.5+) • 14  
 Representation in Sub-report (SR0605.5+) • 35  
 Representation in Sub-report (SR0610.5+) • 62  
 Representation in Sub-report (SR0615.5+) • 75

## S

Select all work centers (SR0610.2.2) • 64  
 Shop Floor-defined Order Workflow • 3  
 Specify order (SR0600.2.2) • 16  
 Start time (Framework capability) • 28, 57, 71, 82  
 Sub-report elements (SR0600.5.1) • 14  
 Sub-report elements (SR0605.5.1) • 36  
 Sub-report elements (SR0610.5.1) • 63  
 Sub-report elements (SR0615.5.1) • 75  
 Supervisor-specific Use Cases • 4  
 System-triggered Exceptions • 21, 46, 69, 80

## T

Table of materials (SR0605.1.4) • 32  
 Toggle work center selection (SR0610.2.5) • 64

## U

Unknown order (SR0605.3.6.1) • 47  
 Unknown order (SR0610.3.6.1) • 69  
 Unknown order (SR0615.3.6.1) • 80

- Index
- 
- 
- 

Unselect all work centers (SR0610.2.3) • 65  
Upper tolerance (abs.) invalid (SR0605.3.6.15) • 51  
Upper tolerance (rel.) invalid (SR0605.3.6.6) • 50  
Upper tolerance undefined (SR0605.3.6.17) • 52  
Use Cases • 4  
User-triggered Exceptions • 21, 46, 69, 80

## V

Version Information • 85

## W

Workflow Phases • 4